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1932



"Guest Garden Collection"
(See Page One)

1932

CALIFORNIA GARDENING

Vegetable Seed Trials

JAN - 8 1932

Introducing
 Germain's Sensational Novelty
Sweet Pea "Los Angeles"

Giant Waved Spencer
 Winter Flowering



The
 LOS ANGELES
 SWEET PEA
 COLLECTION

The assortment contains Six of the latest introductions in novelty Sweet Peas. They are the creations of noted California Specialists in Sweet Pea culture—Masters of the Art—and typify the ultimate in beauty of form and coloring, vigor of stem and vine, freedom of bloom and keeping quality and possess unusual merit for winter forcing.

1.—LOS ANGELES—This outstanding new Sweet Pea was greeted with enthusiastic admiration at our flower show last season where it was named "Los Angeles" by popular vote at a contest held for that purpose. It is a flower of perfect form and bearing, usually borne in fours on stems of exceptional length and vigor. The vine also is unusually robust; in our trials it has outgrown all others. It is of true winter flowering type; a true Spencer, of immense size and very wavy. Its color is that brilliant rose pink demanded by florists, but it is richer and more even in tone than any we have heretofore seen. Per packet 25c.

2.—EARLY VALENCIA—One of the finest Sweet Peas in cultivation and unrivaled in its color group. It is a brilliant orange, softer and more pleasing in tone than Orange King. Vigorous with long stems and large flowers. Per packet 25c.

3.—EARLY ORIENTAL—This variety will be hailed by lovers of yellow Sweet Peas. It is the deepest cream yet introduced and in addition it possesses a size and vigor unequalled by any other. Under good cultivation, sprays measure over a foot. The flowers are well waved and often throw duplexed standards, making them appear enormous. Per packet 25c.

4.—EARLY MONARCH—A delightfully pure and rich lavender of exceptionally large size and with extra tall heavy stems. Vigor, productiveness and keeping quality are unsurpassed. Per packet 25c.

5.—EARLY SUNRAY—One of the most admired novelties of the year. The color is a brilliant, glowing, yet soft cerise. Very clear and heightened by a yellow ground with just the faintest suspicion of orange. The stems are very tall and stout and the blossoms rank among the largest and finest of the newer Sweet Peas. Per packet 25c.

6.—BLUE BONNET—This is our favorite among several new blue Sweet Peas recently introduced. An extra large, fine deep blue unmarred by any trace of mauve. Free flowering and vigorous with long stemmed flowers usually borne in fours. Per packet 25c.

Special Collection Price—One Packet each of the above Six Novelties for \$1.25



GERMAIN'S SELECT GERBERAS

The striking beauty of these graceful flowers has established its popularity. It is an excellent garden plant and at the same time one of the most beautiful of cut flowers. Handsome blooms of extra large size in a color range that embraces salmons, pinks, reds, yellows and their variations are a distinct feature of Germain's Selected Strain. These are borne on long, wiry stems making them ideal for cutting and after cutting they will easily keep over a week. One of the most free of blooming plants producing flowers in profusion from early Spring to late Autumn.

Through painstaking elimination we are now able to supply some lovely separate colors besides the ever popular mixture.

The following are offered in strong field divisions ready for planting out. They will bloom the coming season.

SALMON BEAUTY—An exquisite shade of salmon and beautiful in form and color.

PINK PERFECTION—A delightful pink flower.

CRIMSON QUEEN—A true dark red.

YELLOW MOON—An orange yellow blossom.

PRICE: Any of the above named varieties:

NEW HYBRIDS MIXED—In a wide range of lovely shades.

25c Each—\$2.50 Dozen

35c

Each

•

\$3.50

Dozen

New Double Gerberas

A wonderful development in the Gerbera is this new double form. A flower of impressive size, magnificent form and dainty, charming coloring. The blossoms last fully ten days after cutting and are especially effective under artificial light.

75c Each—\$7.50 Dozen



Five Leading Specialties VEGETABLE SEEDS

The varieties pictured on this page are considered the best of their kind. They are grown extensively by large commercial growers and are equally popular for use in the home garden. We recommend them very highly.

CORN—GOLDEN GIANT. Very early, tender and luscious. (Complete description page 60.) Price: 1/5 lb., 25c; 1 lb., 45c; 10 lbs. for \$4.00.....pkt. 10c

WATERMELON—KLONDIKE. The sweetest, finest flavored melon grown. (Complete description page 68. Price: Oz., 25c; 1/4 lb., 85c; 1 lb., \$2.50.....pkt. 10c

PEAS—HUNDREDFOLD. The leading early dwarf variety for garden or commercial growing. (Complete description page 72.) Price: 1/2 lb., 20c; 1 lb., 35c; 10 lbs., \$3.00.....pkt. 10c

TOMATO—GLOBE. Form and meat are unsurpassed in quality. (Complete description page 78.) Price: Oz., 50c; 1/4 lb., \$1.65; 1 lb., \$5.00.....pkt. 10c

PEPPER—CALIFORNIA WONDER. Our 1927 introduction, now the leading table variety. (Complete description page 69.) Price: Oz., \$1.00; 1/4 lb., \$3.35; 1 lb., \$10.00.....pkt. 25c

Vegetable Seed "Color Page" OFFER

One packet each of five varieties of GERMAIN'S PREMIUM VEGETABLE SEEDS pictured above for 55c; or two packets of each variety, value \$1.30, \$1.00 postpaid for

Germain's Premium VEGETABLE SEEDS

For complete listing of Germain's Premium Vegetable Seeds with full description and instructions for planting, etc., see pages 48 to 78; GERMAIN'S PLANTING CHART, page 3; Complete Index, page 2.

FROM

R

Please leave this space blank

AMOUNT ENCLOSED

Money Order \$.....

Check

Cash**Stamps**

TOTAL \$.....

GERMAIN'S
SIXTH AND MAIN • LOS ANGELES

GERMAIN SEED & PLANT CO

Los Angeles, California

BE SURE TO FILL IN THESE BLANKS

Name _____

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Post Office

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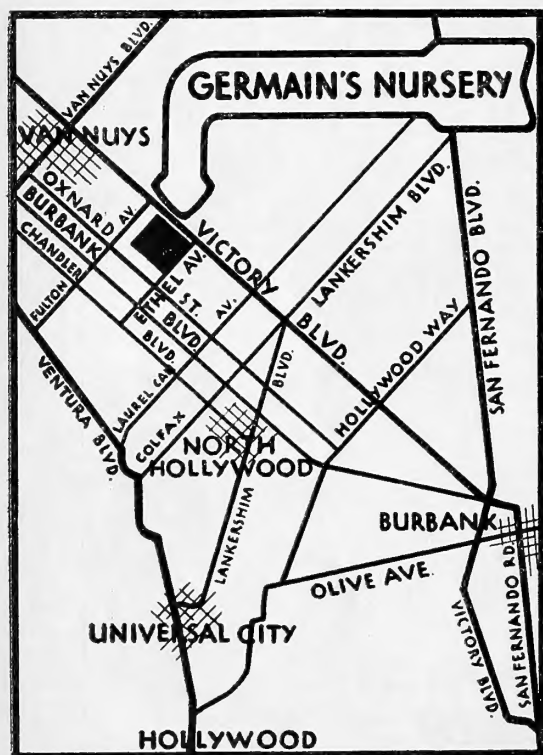
County _____ **State** _____

Express or Freight Office

Check how Goods are to be sent? Mail Express Freight Date

NON-WARRANTY—The Germain Seed and Plant Company gives no warranty, express or implied, as to description, quality, productiveness, or any other matter of seeds, bulbs, plants or trees they send out, and they will not be responsible in any way for the crop.

[illegible]

[illegible]

AN INVITATION

to Visit Our New Store and Nursery
in North Hollywood

12 Acres of Shrubs, Plants and Flowers

You will be delighted by a visit to the new Germain nursery and seed store in North Hollywood. Besides a complete line of bulbs and seeds, there are on hand plants, shrubs, roses and trees in various stages of growth, ready to plant for the beautification of your home or estate.

Rare Plants from All Over the World

Rare flora from many parts of the world thrive in our Southern California climate. Through their world-wide connections Germain's can offer these exotic plants and shrubs for your selection. See them growing at the new nursery.

A Complete Line

No matter what you are going to plant, you will find the seed, seedling, bulb, plant, or tree at Germain's, and there is a complete representation of Germain's stock at the North Hollywood nursery and seed store.

How to Get There

The above map shows how conveniently located is the new nursery and seed store in North Hollywood. From Los Angeles, the motorist can choose the closest way from his home—San Fernando Road, Victory Blvd., or Ventura Blvd.

GERMAIN'S
SIXTH AND MAIN - LOS ANGELES
ETHEL AVENUE, BETWEEN OXNARD AND VICTORY
NORTH HOLLYWOOD



Germain's
Store in 1871



Present Location
Sixth and Main Sts.

How to Order by Mail

Use the order sheet enclosed in catalogue if possible. In the space reserved for address write plainly your name, post office, nearest express or freight office (if different from post office), County and State. Keep a duplicate copy of your order for comparison.

Remittances may be made by Express Money Order, P. O. Money order or Bank Draft; if you remit in stamps or cash, send in a Registered letter. We must decline sending goods C. O. D. unless 25 per cent of their value accompanies the order.

FREE DELIVERY FOR CERTAIN QUANTITIES OF SEEDS

We deliver free, in the United States and Possessions, and Mexico, by Parcel Post or Express at our option, all Vegetable and Flower Seeds by the Packet, Ounce and $\frac{1}{4}$ Pound, and up to and including ten pounds.

All other articles, including bulbs, are priced F.O.B. Los Angeles and will be forwarded express collect or, if desired, by parcel post, postage must be added as per the following table.

PARCEL POST RATES WITHIN U. S. AND POSSESSIONS FROM LOS ANGELES, CALIF.

Zone	Distance from Los Angeles	1st Lb. or Fraction	Each Addit'l Lb. or Fraction
1st	Within 50 miles.....	7c	1c
2nd	50-150 miles.....	7c	$\frac{1}{2}$ 1c
3rd	150-300 miles.....	8c	2c
4th	300-600 miles.....	8c	4c
5th	600-1000 miles.....	9c	6c
6th	1000-1400 miles.....	10c	8c
7th	1400-1800 miles.....	12c	0c
8th	All over 1800 miles.....	13c	12c

Parcel Post. Shipments of seeds, bulbs, plants and garden supplies (excepting certain insecticides containing poisons and all liquids may be sent by mail to all parts of the United States.

We advise forwarding all small orders and packages up to 20 lbs. in this way.

Packages of seed weighing 8 ozs. or less can be forwarded anywhere in the United States at a cost of $1\frac{1}{2}$ c for each 2 ozs., or fraction thereof.

Insurance Extra. 5c for each package up to \$5; 8c up to \$25; 10c up to \$50.

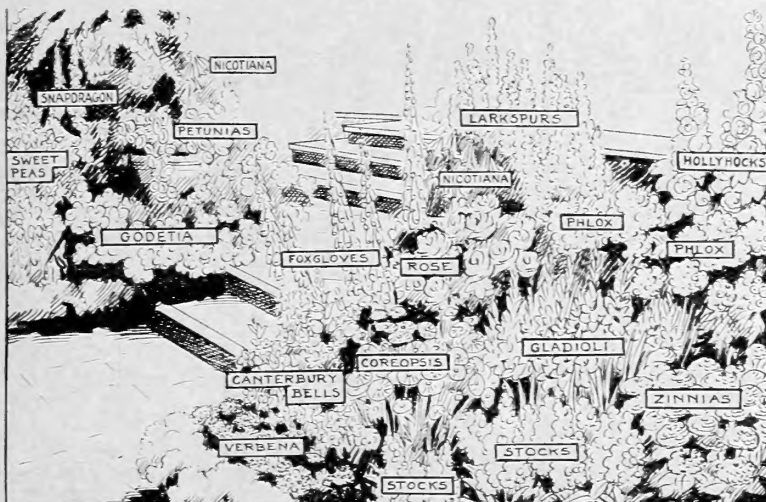
Like all reputable seed house, Germain's has adopted the standard "non-warranty" clause of the American Seed Trade Association.

Non-Warranty. The Germain Seed and Plant Company gives no warranty, express or implied, as to the description, quality, productiveness, or any other matter of seeds, bulbs, plants or trees they send out, and they will not be responsible in any way for the crop.

The Guest Garden Collection

The friendly guest garden and guest house portrayed on the front cover of this catalogue is reminiscent of an English Cottage garden with its myriad of colorful old time favorites blooming all about in happy and carefree abandon.

It is an increasingly popular custom to plant a "guest garden" where visiting acquaintances have full privileges, and are invited to cut at will with the cheering advice that "this is your garden to enjoy and to choose flowers to your heart's content."



Where grounds are ample for a guest house, the guest garden is planted close by. If there be not room to spare, then a part of the cutting garden is developed for this one specific purpose. No attempt is made to group varieties but rather there is a very definite scattering so that whether the plot be great or small the changing seasons bring new masses of flowers to delight the visitor.

Fifteen Distinct Sorts Included in Guest Garden Collection

Germain's Guest Garden Collection contains fifteen charming and distinct species, providing a constant succession of bloom throughout the season. The assortment is as follows:

Hollyhocks	Stocks	Verbena	Phlox	Zinnia	Coreopsis	Larkspurs	Canterbury
Nicotiana	Snapdragons	Delphiniums	Sweet Peas	Foxglove	Petunias	Godetia	Bells

Price: The entire Guest Garden Collection of 15 full sized packets in fifteen distinct and beautiful summer flowering varieties (Value \$1.50) Postpaid for.....

\$1.00

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GERMAIN'S PLANTING CHART

VARIETY	Seed for 100 ft. row	Seed for 1 acre	Time of Planting	Put Rows Apart	Leave Plts. Apart in Row	Crop Matures in about	Depth of Planting
Artichoke, Globe.....	2 Pkts.	12 oz. T.	October to May	5 ft.	3 ft.	2nd Spring	1 inch
Artichoke, Plants.....	32 Plants	3000 P	Dec. to April	5 ft.	3 ft.	Next Spring .....	.....
Artichoke, Jerusalem....	3 lbs.	300 lbs.	December to May	4 ft.	3 ft.	Late Summer....	3 inches
Asparagus Seed.....	1 oz.	2 lbs. T.	February to May	6 ft.	3 ft.	Third Spring ...	1 inch
Asparagus Plants.....	32 Plants	11000 P	December to May	4 ft.	1 ft.	Next Spring .....	.....
Beans, Bush.....	1 lb.	60 lbs.	Jan. to September	3 ft.	6 in.	2 to 3 Months...	1 to 2 inches
Beans, Pole.....	3/4 lb.	50 lbs.	Jan. to September	3 ft.	1 1/2 ft.	2 to 3 Months...	1 to 2 inches
Beet, Table.....	2 oz.	10 lbs.	All Year	2 ft.	6 in.	3 to 3 1/2 Months...	3/4 inch
Beet Stock.....	2 oz.	8 lbs.	September to May	3 ft.	1 ft.	4 to 6 Months...	1 inch
Broccoli.....	1 Pkt.	4 oz. T.	Nov. to April	2 1/2 ft.	1 ft.	3 1/2 Months.....	1/2 inch
Brussels Sprouts.....	2 Pkts.	4 oz. T.	October to May	2 1/2 ft.	1 1/2 ft.	5 Months.....	1/2 inch
Cabbage, Early.....	1 Pkt.	8 oz. T.	All Year	2 1/2 ft.	2 ft.	3 to 4 Months...	1/2 inch
Cabbage, Late.....	1 Pkt.	8 oz. T.	All Year	2 1/2 ft.	2 ft.	4 to 5 Months...	1/2 inch
Carrot.....	1 oz.	4 lbs.	All Year	24 in.	6 in.	4 Months.....	1/4 to 1/2 inch
Cauliflower.....	1/4 oz.	4 oz. T.	June to January	3 ft.	2 1/2 ft.	4 to 6 Months...	1/2 inch
Celery.....	2 Pkts.	5 oz. T.	January to May	3 ft.	6 in.	4 to 5 Months...	Very shallow
Celeriac.....	1 Pkt.	6 oz.	January to May	1 ft.	2 1/2 ft.	4 to 5 Months...	1/2 inch
Chervil.....	3 Pkts.	1 lb.	Jan. to August	30 in.	5 in.	2 Months.....	1/4 inch
Chives.....	2 Pkts.	2 lbs.	September to May	30 in.	5 in.	3 to 4 Months...	3/4 inch
Collards.....	1 Pkt.	8 oz. T.	All Year	30 in.	15 in.	4 Months.....	1/2 inch
Chicory.....	2 Pkts.	4 lbs.	September to May	30 in.	8 in.	2 to 3 Months...	1/4 inch
Corn Salad.....	1 oz.	5 lbs.	Feb. to Nov.	30 in.	8 in.	2 to 3 Months...	1/4 inch
Corn, Sweet.....	1/2 lb.	10 lbs.	March to Sept.	36 in.	12 in.	2 1/2 to 3 Months...	1 inch
Cucumber.....	2 Pkts.	2 lbs.	March to Sept.	6 ft.	4 ft.	2 to 3 Months...	1 inch
Dandelion.....	1 Pkt.	3/4 lb.	Sept. to April	30 in.	10 in.	3 Months.....	1/8 inch
Egg Plant.....	1 Pkt.	4 oz. T.	January to August	30 in.	2 ft.	4 Months.....	1/2 inch
Endive.....	1 oz.	3 lbs.	August to May	30 in.	8 in.	3 Months.....	1/2 inch
Garlic (sets).....	2 lbs.	300 lbs.	Sept. to March	30 in.	6 in.	5 to 6 Months...	.....
Horse Radish.....	70 Plants	10000 P	December to May	30 in.	18 in.	6 Months.....	.....
Kale.....	2 Pkts.	2 lbs.	All Year	30 in.	18 in.	2 to 3 Months...	1/2 inch
Kohlrabi.....	1 Pkt.	4 lbs.	All Year	30 in.	6 in.	4 Months.....	1/2 inch
Leek.....	1/2 oz.	4 lbs.	Sept. to April	24 in.	6 in.	4 Months.....	1/2 inch
Lettuce.....	3 Pkts.	3 lbs.	All Year	24 in.	8 in.	2 to 3 Months...	1/2 inch
Melons, Musk.....	2 Pkts.	1 1/2 lbs.	March to July	6 ft.	4 ft.	3 to 4 Months...	1 inch
Melons, Water.....	1 oz.	2 lbs.	March to July	8 ft.	6 ft.	3 to 4 Months...	1 inch
Mustard.....	1 Pkt.	2 lbs.	All Year	4 ft.	2 1/2 ft.	3 to 5 Weeks....	1/2 inch
Okra.....	1 oz.	8 lbs.	April to July	3 ft.	2 ft.	3 Months.....	1 inch
Onion seed.....	1/2 oz.	3 lbs.	Sept. to April	24 in.	5 in.	4 1/2 to 6 Months...	1 inch
Onion sets.....	2 lbs.	300 lbs.	All Year	18 in.	3 in.	2 to 4 Months...	.....
Onion Seed for Sets.....	2 oz.	40 lbs.	All Year	2 ft.	Drill	2 to 3 Months...	.....
Parsley.....	1 Pkt.	4 lbs.	All Year	24 in.	6 in.	3 Months.....	Very shallow
Parsnips.....	2 Pkts.	6 lbs.	All Year	30 in.	4 in.	4 Months.....	1/2 inch
Peas.....	1 lb.	75 lbs.	All Year	36 in.	3 in.	2 to 4 Months...	2 inches
Pepper.....	1 Pkt.	6 oz. T.	January to July	36 in.	18 in.	3 to 4 Months...	1/2 inch
Potatoes.....	5 lbs.	600 lbs.	Dec. to Sept.	36 in.	10 in.	2 to 3 Months...	5 inches
Potatoes, Sweet.....	70 Plants	10000 P	March to July	36 in.	18 in.	3 to 4 Months...	3 inches
Pumpkin.....	2 Pkts.	2 lbs.	March to August	10 ft.	8 ft.	3 to 4 Months...	1 inch
Radish.....	1 oz.	12 lbs.	All Year	18 in.	3 in.	1 to 2 Months...	1/2 inch
Rhubarb.....	2 Pkts.	4 ozs.	January to April	5 ft.	3 ft.	2nd Spring	1/2 inch
Rhubarb Roots.....	33 Roots	3000 P	December to May	5 ft.	3 ft.	Next Spring	2 inches
Salsify.....	1 oz.	8 lbs.	February to Oct.	30 in.	4 in.	4 Months.....	1 inch
Spinach.....	1 oz.	20 lbs.	All Year	24 in.	2 in.	40 to 65 Days....	1 inch
Squash, Bush.....	2 Pkts.	3 lbs.	February to Oct.	4 ft.	3 ft.	2 Months.....	1 1/2 inch
Squash, Running.....	2 Pkts.	2 lbs.	February to Aug.	8 ft.	6 ft.	3 to 4 Months...	1 1/2 inch
Tomato, Seed.....	1 Pkt.	3 oz. T.	February to Aug.	5 ft.	3 ft.	4 to 5 Months...	1/2 inch
Tomato, Plants.....	35 Plants	3000 P	March to Oct.	5 ft.	3 ft.	2 to 3 Months...	.....
Turnip.....	2 Pkts.	4 lbs.	All Year	24 in.	6 in.	3 to 4 Months...	1/2 inch
Turnip Swede or Rutabaga	2 Pkts.	3 lbs.	All Year	24 in.	8 in.	3 to 4 Months...	1/2 inch

T.—In the quantity column means these varieties are to be sown in hot bed and transplanted to the field.

FIELD SEEDS	Lbs. per Acre	FIELD SEEDS	Lbs. per Acre	FIELD SEEDS	Lbs. per Acre	SPACING AND NUMBER PLANTS PER ACRE			
Alfalfa.....	20	Corn (Cont.)		Grass (Cont.)		Distance Apart	No. of Trees or Plants per Acre	Dist. Apart	No. of Trees or Plants per Acre
Beans Field.....	10	Kaffir.....	6	Sudan Drill.....	15	3 by 4 in.	522,720	6 by 7 ft.	1,031
Tepary.....	10	Feterita.....	6	Sudan Broadcast	20	4 by 4 in.	392,040	6 by 8 ft.	907
Pink.....	30	Milo Maize.....	6	Milletts.....	30	6 by 6 in.	174,240	6 by 9 ft.	806
Navy.....	20	Egyptian Wheat.	6	Common.....	30	1 by 1 ft.	43,560	6 by 10 ft.	726
Sojo.....	30	Broom.....	15	German.....	40	1 1/2 by 1 1/2 ft.	19,360	7 by 7 ft.	888
English or Broad	50	Flax.....	30	Hungarian.....	40	2 by 1 ft.	21,780	8 by 8 ft.	680
Bell.....	40	Grain.....		Japanese.....	35	2 by 2 ft.	10,890	9 by 9 ft.	537
Small.....		Barley.....	100	Siberian.....	30	2 1/2 by 2 1/2 ft.	6,960	10 by 10 ft.	435
Manchurian.....	50	Oats.....	80	Peas, Field.....	75	3 by 1 ft.	14,520	11 by 11 ft.	360
Buckwheat.....	30	Rye.....	60	Canadian.....	75	3 by 2 ft.	7,260	12 by 12 ft.	302
Clover.....		Grass.....		Blue Prussian.....	75	3 by 3 ft.	4,840	14 by 14 ft.	222
Alsike.....	10	Alfalfa.....	5	Garbanza.....	40	3 1/2 by 3 1/2 ft.	3,555	15 by 15 ft.	193
Burr Clover.....	15	Aus. Salt Bush..	1 1/2	Lentils.....	40	4 by 1 ft.	10,890	16 by 16 ft.	170
Crimson.....	15	Bermuda.....	10	Pea, Cow.....	60	4 by 2 ft.	5,445	16 1/2 by 16 1/2 ft.	160
Japanese.....	20	Brome.....	20	Whippoorwill ...	60	4 by 3 ft.	3,630	17 by 17 ft.	150
Melilotus Indica.	20	Crested Dogstall.	30	Blackeye.....	30	4 by 4 ft.	2,722	18 by 18 ft.	134
Melilotus Alba.....	15	Ky. Blue for Pstre	15	Brabham.....	60	4 1/2 by 4 1/2 ft.	2,150	19 by 19 ft.	120
Red.....	15	Ky. Blue for Lwn.	175	Vetch, Purple.....	40	5 by 1 ft.	18,712	20 by 20 ft.	108
White.....	12	Orchard.....	35	Common.....	40	5 by 2 ft.	4,356	25 by 25 ft.	69
Corn.....		Rye.....	10	Halry.....	60	5 by 3 ft.	2,904	30 by 30 ft.	48
Field.....	10	Red Top.....	15	Hungarian.....	40	5 by 4 ft.	2,178	33 by 33 ft.	40
Ensilage.....	75	Timothy.....	20	Peanuts in Shell..	35	5 by 5 ft.	1,742	40 by 40 ft.	27
Egyptian.....	6	Hungarian.....	30	Rape.....	5	5 1/2 by 5 1/2 ft.	1,440	50 by 50 ft.	17
Hegari.....	6	Mesquite.....	35	Rice.....	80	6 by 6 ft.	1,200	60 by 60 ft.	12
		Hemp.....	25	Sunflower.....	4	6 1/2 by 6 1/2 ft.	1,031	66 by 66 ft.	10

Catalog Prices Subject to Change Without Notice.

Due to extremely unsettled conditions in the seed market this year we find it necessary to make all catalog prices subject to change without notice. At all times we shall have in mind our customers' welfare, and prices will be consistent with the market.

Germain's "Premium" Grass Seeds

(For Lawns, Estates, Parks, Athletic Fields and Golf Courses)

A bright, velvety, well groomed lawn is the first essential of an attractive home. However, just sowing any kind of grass seed will not produce a lawn of this character. The highest grade of re-cleaned grass seed must be planted if good results are to be expected. If chaffy, light weight and impure seed is sown, a ragged and weedy lawn will result. If heavy weight, extremely

pure and thoroughly re-cleaned seed is sown, your lawn will be a thing you will be proud of. Germain's "Premium" Lawn Grass Seeds are thoroughly re-cleaned in our specially built cleaning plant, the most complete in the West—and are therefore extremely pure, high in germination and free from weed seeds. Send for Free Pamphlet—"The Making and Care of Lawns."



The photograph above shows a splendid velvety green lawn grown from Germain's Premium Lawn Grass Seeds. These fine grasses have been used on estates, parks, residences and fine homes throughout the Southwest for more than fifty years and have given the greatest satisfaction.



The course pictured above in its beautiful setting is typical of many in Southern California where golf is an all-year sport.

GERMAIN'S PREMIUM BRAND seeds, specially re-cleaned, are used in making and maintaining these verdant fairways and greens.

GERMAIN'S EMERALD LAWN GRASS MIXTURE

Since 1871, Germain's have sold Grass Seed to the home owners of California. We feel that we have contributed a great deal to the beauty of the homes of this state due to the fine strain of Lawn Grass Seeds sold by us during our 60 years of business.

Knowing as we do our climatic conditions and owing to the great amount of experimental work done by us at our testing grounds, we are able to offer to you this mixture of the finest grass seed gathered together from the world's best growers.

We have thoroughly and carefully cleaned this seed in the most modern and scientific cleaning plant in the west. The seed is mixed in proper proportions so that we are able to offer in our "EMERALD BRAND GRASS SEED" something vastly superior. Germain's recommend for those who want a green lawn the year around, to plant EMERALD BRAND GRASS SEED.

Sow at the rate of one pound to 250 square feet.

Price: 1 lb., 70c; 5 lbs., \$3.35; 10 lbs., \$6.50 postpaid.



Varieties of Lawn Grass Seed

Kentucky Blue Grass Seed (*Poa Pratensis*). Premium Grade—Grown from specially selected strains in carefully selected fields, and thoroughly re-cleaned to remove chaff, impurities and weed seeds. This seed will give the highest satisfaction. Plant at the rate of 1 lb to 200 sq. ft. Price per pound, 50c; 10 lbs. \$4.50 postpaid.

White Clover (*Trifolium Repens*). Premium Grade—We import our Premium Grade of White Clover Seed from European sources, where the finest grades of White Clover Seed are grown—and then thoroughly re-clean this seed to make doubly sure that it is of the highest quality. Plant at the rate of 1 lb. to 200 sq. ft. Price per pound, 80c; 10 lbs. \$7.50 postpaid.

Kentucky Blue Grass and White Clover Mixed. This favorite lawn seed mixture is made up of Premium Grade Seeds, mixed in the right proportion. We recommend this mixture as being the most satisfactory in general, for making new lawns. Plant at the rate of 1 lb. to 200 sq. feet. Price per pound, 60c; 10 lbs. \$5.50 postpaid.

Domestic Rye Grass. This seed is grown in the State of Oregon and our seed fields are carefully selected for freedom from weed seeds. It is an annual grass, quick growing and is very hardy. Price per pound 25c; 10 lbs. \$2.00 postpaid.

Shady Lawn Grass. A grass for that shady spot where other varieties of grass seed will not grow. You will find in this mixture of fine grasses just the variety for the north side of your home or that shady spot under your trees. Price per lb., 60c; 5 lbs., \$2.80; 10 lbs., \$5.40 postpaid.

Australian or Perennial Rye Grass (*Lolium Perenne*). While Rye Grass does not produce a lawn of as fine a texture as Blue Grass and Clover, it is extremely hardy, requires less fertile soil and withstands more hardships. Plant 1 lb. to every 100 sq. feet. Price per pound 30c; 10 lbs., \$2.50 postpaid.

Pacey's or "Pacific" Rye Grass (*Lolium Perenne Pacey*). Similar to Australian Rye Grass only it produces a finer blade and is therefore often preferred to the latter. Price per pound 35c; 10 lbs. \$3.00 postpaid.

GERMAIN'S "PREMIUM" GRASS SEEDS

Grass Seeds for Golf Courses and Fine Lawns

Write for Quantity Prices

Care must be taken to sow only the highest quality of re-cleaned grass seeds on golf courses, in order to avoid the trouble and expense of re-seeding, and the weeding of greens, tees and fairways. Germain's "Premium Brand" seeds have been specially re-cleaned in our own grass seed cleaning plant, which is the most modern and complete in the West, to the maximum of purity and germination and they are unusually free from weed seeds. The amount of grass seed that should be planted for golf courses will run from about ninety pounds for the small fine seeds to three

hundreds pounds for the larger seeds, to the acre on fairways. For putting greens we recommend planting on the average of about one pound to every 150 square feet. We have not listed prices on large quantities of grass seed such as are often purchased by golf clubs. These prices will vary according to market conditions and will always be as low as is consistent with the market and the quality. Kindly write us for special quotations in larger quantities than indicated above.

Bent Grass Seeds

(For Fine Lawns and Golf Greens)

Bent Grass Seeds for lawn purposes have been coming into some popularity during the last few years, especially for larger lawns and estates, where much care and attention is given to the lawn. Bent Grasses produce a very fine, beautiful, and velvety lawn. Bent Grass Seeds should be sown at the rate of about 4 pounds to every 1,000 square feet. Write for our special pamphlet on Bent Grasses—it gives full details regarding the planting of and caring for Bent Grass Lawns.

Seaside Bent (*Agrostis Maritima*). Also often called Coos County Bent because most of the seed is grown in Coos County, Oregon. This is a true creeping bent, and makes a very smooth, uniform lawn. Extreme care must be taken in purchasing this seed, as there are so many swamp grasses and other weed seeds in the district where the seed is grown. Our stock of Seaside Bent is carefully re-cleaned in our own specially constructed seed cleaning plant, and is extremely pure and free from weed seeds. Price per pound \$2.00; 10 lbs. \$19.50 postpaid.

Astoria Bent. This variety is often called Golf-a-Lawn Bent. It is a very desirable type of grass for golf course putting greens and fine lawns, as it makes a beautiful, thickly matted, deep green turf. It holds its color exceptionally well and is an underground creeper. Our "Premium Brand" Astoria Bent is unusually clean and free from weed seeds. Price per pound, \$2.00; 10 lbs., \$19.50 postpaid.

Colonial Bent (*Agrostis Vulgaris*). Also often called "Rhode Island Bent"—characterized by its flat, narrow blades and its slightly creeping qualities, which make a very smooth and velvety lawn. Our seed is grown in New Zealand and is carefully cleaned. It produces an excellent lawn the year round at less maintenance cost than any other Bent Grass. Price per pound \$2.00; 10 lbs. \$19.50 postpaid.

Red Top (*Agrostis Alba*). A fine bladed grass that is often used in mixture with Kentucky Blue Grass for putting greens and tees on golf courses. It also makes an excellent lawn grass. Price per pound 45c; 10 lbs. \$4.00 postpaid.

Hard Fescue (*Festuca Duriuscula*). Produces stiff, upright leaves, usually used in mixture with other varieties for golf course greens and tees. Price per lb. 55c; 10 lbs. \$4.75 postpaid.

Chewings Fescue (*Festuca Species*). Used extensively on putting greens, fairways and tees on golf courses, and does well on most any kind of soil. It also produces a stiff, upright plant. Price per pound 65c; 10 lbs. \$6.00 postpaid.

Bermuda Grass (*Cynodon Dactylon*). A broad leaved creeping grass, used for golf course fairways, polo and athletic fields. Will stand a great deal of hard usage. Price per pound 50c; 10 lbs. \$4.50 postpaid.

Bur Clover (*Medicago Arabica*). Used to a great extent for golf course fairways in California. Price per pound 40c; 10 lbs. \$3.50 postpaid.

Italian Rye Grass (*Lolium Italicum*). This is a very quick growing, short lived perennial grass. It has a tendency to grow in tufts, and has tall, broad, flat leaves. Price per pound 30c; 10 lbs. \$2.50 postpaid.

Rough Stalked Meadow Grass (*Poa Trivialis*). Makes an excellent turf both for lawns in shady places and for putting greens and fairways on golf courses. Leaves are very narrow and flat. Price per pound 60c; 10 lbs. \$5.50 postpaid.

Meadow Fescue (*Festuca Pratensis*). Produces very broad leaves. Used on golf courses on "the rough" and sometimes on the fairways. Price per pound 45c; 10 lbs. \$4.00 postpaid.

Wood Meadow Grass (*Poa Nemoralis*). A very fine bladed grass, medium dark green in color, used in mixtures for shady spots. Price per pound \$1.50; 10 lbs. \$14.50 postpaid.



Germain's Recommend...

Nuvida Lawn and Garden Fertilizer

It is the most complete and satisfactory Lawn Fertilizer ever placed on the market. It is manufactured by us and we guarantee that it contains all the elements required and in the proper proportions to produce a luxuriant growth. It is a clean odorless material and can be applied without offending ones sense of smell or sight. Being quick in action, the effect can be noticed within a very short time by the rich green coloring and that velvety appearance so much sought after. Its superiority over stable manure can scarcely be estimated, as the latter, in addition to disfiguring the lawn by its unsightly appearance, also gives out an unpleasant odor, and always contains weeds and other undesirable seeds. Trial bag for 300 sq. ft., 10 lbs., 45c; 25 lb. sack for 750 sq. ft., \$1.00; 50 lb. sack for 1500 sq. ft., \$1.90; 100 lb. sack for 3,000 sq. ft., \$3.50, not prepaid. Write for Nuvida pamphlet

◆ GERMAIN'S PREMIUM FLOWER SEEDS ◆

For more than sixty years Germain's have specialized in choice California grown and imported flower seeds. Our stocks are exceptionally complete and offer the greatest assortment of Premium Quality flower seeds to be found in the West. We have maintained close connections with the principal seed centers of the world, and have introduced and distributed a number of the most popular varieties now grown on the Pacific Coast.

The flower seed industry in our state has grown so rapidly that the majority of all flower seeds used in America, now are grown in California. Vast acreages are located within easy reach, and we are, therefore, able to give careful personal attention to the culture, special selection and roguing of our seeds. Importations also can be thoroughly tested here, and no effort has been spared to offer only the highest quality strains, both of the new and standard varieties. We recommend GERMAIN'S PREMIUM FLOWER SEEDS with the conviction that they will give you complete satisfaction.

Novelties and Specialties for 1932

The new introductions and special strains offered here, we have found particularly worthy of note. It is significant that most of these are California originations. Among them are the new Golden Gleam Nasturtiums, new All Double Marigold, California Sunshine Asters, New Larkspurs, California Poppies,, Scabiosas, etc. The discovery of a new plant of merit is a joy to the flower lover; and a trial of any of the following cannot fail to bring you pleasure.

CALIFORNIA SUNSHINE ASTERS

This wonderful Aster is one of the best Aster novelties ever introduced.

The color in these new Asters is startlingly beautiful. A dual-tone effect is obtained through the contrasting tints of the disc-like center and the outer or guard petals. Gracefulness of form is a distinguishing characteristic. The full centers of tubular, bifurcate petals surround the center, creating an airy, lace-like effect, which is altogether charming. In color the flowers may be described as varying shades of Pink, Appleblossom, Deep-rose, Blue and Lavender, but the disc, sometimes light yellow, sometimes blue, brings additional variety in tint. We feel confident this glorious new strain will be acclaimed a distinct acquisition to modern floriculture. Packet, 35c; 3 Packets for \$1.00.

ANTIRRHINUM

New Giant Snapdragons

2086—**Giant Salmon Rose.** Exceptionally fine Salmon Rose for cutting.

2186—**Roman Gold.** Pink copper and golden. A rich and pleasing color. Vigorous in growth and extra large flowered.

2110—**Pink Domino.** This is the old familiar Cottage Maid pink shade reborn in the tall giant flowered type.

Price: Per Packet, 35c; One Pkt. of Each Variety for \$1.00

NEW CALENDULA RADIO

A distinct novelty, the petals being evenly and prettily frilled.

2507—**Radio.** A novel and attractive flower with petals neatly quilled. Color rich deep orange. PER PKT. 1/8 oz. 45c;...\$0.15

Double California Poppy

2952 — **Enchantress.** Fine, large, double flowers, in shades of pink with yellow center. 1/8 oz. 60c. Pkt. 25c.



California is the leading Flower Seed Center in the world. The picture shows Germain's Flower Seeds growing near Guadalupe, California

DELPHINIUM

Wrexham or Hollyhock Strain

We are now offering this magnificent strain, superior we believe to all others, in four distinct separate shades.

2816—**Wrexham Art Shades.** Artistic shades of lavender, old rose, light blue, etc.

2818—**Wrexham Deep Blue Shades.** A selection of rich, deep blues and purple.

2820—**Wrexham Bright Blue Shades (mid blue).** Bright violet to deep sky blue.

2836—**Wrexham Light Blue Shades.** Shades of turquoise and light sky blue.

Price: Any of the above 50c per packet. Collection: one packet each of the four colors \$1.75

GAILLARDIA

Two Superb Cut Flower Sorts

2970—**Portola Hybrids.** This superb strain bears flowers of very large size, the color ranging through intense and deep red shades with characteristic golden tipped petalage. 1/8 oz. 45c..... .25

2969—**Dazzler.** The largest and finest intense red. A splendid variety for cutting as well as garden use. 1/8 oz. 45c25

NEW DOUBLE HOLLYHOCK

3182—**Double Triumph Mixed.** Lovely shades; many entirely new; flowers large, double and very waved and fringed. 3 packets for \$1.00..... .35

New Dianthus 2879—Sweet Wivelsfield

A novelty recently introduced from England. It is of multiflora type, very attractive and desirable for rock gardens. Pkt. 25c,

Novelties and Specialties—Continued

NEW DOUBLE NASTURTIUM GOLDEN GLEAM

Double Nasturtiums are not new, but up to this time have been propagated only by cuttings, and it has been generally believed they would not reproduce themselves from seed. Therefore it gives us great pleasure to offer for the first time this unique novelty in Nasturtiums.

The plant forms a vigorous, large bush which throws out short runners, averaging eighteen inches. The flowers commence to come as soon as the plant nears complete development, and at the time it is in full bloom the entire plant, including the runners, is a blaze of color. The large, golden-yellow flowers average two and one-half to three inches across. They are borne on erect, stiff stems six inches in length. Consequently the flowers stand well above the foliage, an arrangement which adds immeasurably to the showy appearance of the plant.

When well grown these flowers have the appearance of a fully double flower, and are most attractive. An ordinary sized bouquet, when allowed to remain in a room for a short period of time will fill the room with fragrance.

Price: Per Packet, 35; 3 Packets for \$1.00

SUPER GIANT PANSIES

- 3535—**Germain's Extra Special.** This is the strain used at our nurseries to produce the many thousands of pansy plants annually sold at our store. We have become convinced after testing several other good pansy strains that this is superior in every way for California conditions..... 1.00
- 3537—**Swiss Giants.** The largest and most remarkable of all European strains. The flowers as well as the plants develop to immense size. Colors rich in red and art shades, many beautifully marked..... .50

PETUNIA

Giant Ruffled Ramona Strain

- 3607—**Giant Ramona Mixed.** Flowers beautifully ruffled and fringed with open, well-marked throats. This strain is remarkable for its compact upright growth.... .50

SUPERB DOUBLE FLOWERING PETUNIAS

- 3606—**Extra Large Double Fringed Mixed.** An unrivalled strain, producing a large percentage of perfectly double, fringed flowers of the largest size and in all the best shades..... .50
- 3604—**Extra Select Plain Double Mixed.** A superb mixture of very double, plain petal varieties, producing large flowers in many beautiful colors..... .35

SCABIOSA

Large Flowering, Double

- 3817—**Loveliness.** Tall and vigorous. Very large and double, a glorious new shade of delicate salmon rose. $\frac{1}{8}$ oz. 50c..... .25
- 3810—**Peach Blossom.** Extra large in size, long stems and very double. Color a beautiful peach blossom pink. An excellent cut flower. ("Highly commended." R.H.S.) $\frac{1}{4}$ oz. 40c..... .15
- 3815—**Shasta.** A pure white of enormous size, the flowers measuring three and a half inches across with extremely long stems. $\frac{1}{4}$ oz. 40c;..... .15

PRIMULA OBCONICA

New Giant Varieties

- The plants are compact and bushy, leaves dark green and of heavy texture. Flowers extra large.
- 3723—**Muller's Rose.** A rich and beautiful shade..... .50
- 3725—**Muller's Brilliant Red (Mohnstein).** Color vivid and showy..... .50



NEW LARKSPURS

Tall Branching Double Stock Flowered Type

- 3240—**La France.** An outstanding new florists' larkspur which has met with great success. It is a fine and pleasing shade of salmon pink. $\frac{1}{4}$ oz. 50c..... .15
- 3236—**Los Angeles.** Similar in growth and habit to the foregoing but several shades darker in color, being a rich, warm, salmon rose. $\frac{1}{4}$ oz. 50c..... .15
- 3247—**Empress Rose.** One of the tallest we have seen. Heavily branched, fine rose color and an excellent keeper. $\frac{1}{4}$ oz. 50c..... .15
- 3241—**Exquisite Rose.** Has the same vigorous upright habit as the above, with a deeper color. It is a rich, bright rose, flushed salmon; one of the best for all purposes. $\frac{1}{4}$ oz. 50c..... .15
- 3251—**White Spire.** Somewhat of a sensation in white larkspurs. It has the new upright delphinium-like habit, is very double and a dazzling pure white in color. $\frac{1}{8}$ oz. 50c..... .25
- 3354—**Carmine King.** A splendid new larkspur, color a striking rich carmine, excellent habit. $\frac{1}{8}$ oz. 50c..... .25
- 3252—**Blue Spire.** Intense deep oxford blue with the upright base branching habit. $\frac{1}{8}$ oz. 50c..... .25
- 3253—**Lilac Spire.** The beautiful lilac so attractive in larkspurs, with the base branching habit and giant size of the Imperial group. $\frac{1}{8}$ oz. 50c..... .25
- 3255—**Miss California.** A beautiful and attractive, rich, deep pink on salmon ground. $\frac{1}{8}$ oz. 50c..... .25

ALL DOUBLE AFRICAN MARIGOLDS

- 3338—**All Double Orange.** Identical in size and form to orange prince, but almost entirely free from singles. A check by the originator has produced 100% double flowers for the past two years..... .25

Novelties and Specialties—*Continued*



ASTER KING OR NEEDLE TYPE

Early Giant Imperial Stocks

- 3874—**Antique Copper.** Rich Hellebore red overlaid with copper, the whole giving a very pleasing reddish antique copper effect.
- 3883—**Golden Rose.** A rich light rose enhanced by a pleasing golden effect in the center of each individual flower. A wonderful cut flower.
- 3882—**Elk's Pride.** True Royal Purple. Individual flowers, very large, tall stem, fine for cutting.

Price: Any of the above 35c Packet, 3 Packets for \$1.00

Two Magnificent Winter Sweet Peas

- 4228 **Early Fascination.** A combination of color, vigor and stems bred for the exacting specifications of the florist. An early flowering sweet pea with the salmon rose-pink color of the famous Late Halmark Pink plus the long, strong stems that have made the Early Jeane Mamitsch so popular as a commercial sweet pea. Packet, 35c; 3 for \$1.
- 4263 **Early Satin Rose.** An exceedingly vigorous early flowering sweet pea with long stems. The flowers are large and beautifully shaped and the wings are in perfect proportion to the standard. The color is an exquisite blend of rose and amber with quite a strong touch of salmon, making one of the most beautiful sweet peas we have ever seen. Pkt. 35c; 3 for \$1.00.

ASTER (King or Needle Type)

Quite distinct in form from all other Asters. The flowers are very regular in outline, all petals being neatly quilled. They are fully double and of upright habit. In California they have gained fame for mid-summer flowering as they seem to resist the heat so well.

- | | |
|---------------------------------------------------|---------------------------------------------------------|
| 2310 Crimson. Popular wine crimson shade. | 2315 Violet. "King Violet," Intense violet blue. |
| 2316 Brilliant Rose. Bright and beautiful. | 2313 Pink. Exquisite intermediate or shell pink. |
| 2314 Lavender. Azure blue, lavender tinge. | 2320 King Aster Mixed. All colors. |
| 2317 White. Pure white. | |

Price: **Per packet 15c each**

Collection: One packet of each of six colors for 75c

SOWING FLOWER SEEDS

In the spring, when the weather has warmed up a bit and the soil is moist and mellow with the winter rains, almost all flower seeds may be planted in the open with every prospect of success.

The seed should be sown in soil deeply dug and well prepared with additional decayed leaf mould, peat or well rotted fertilizer and sand added if convenient. Rake down to a fine even surface, sow the seed broadcast or in rows and cover thinly with finely sifted soil. Press down firmly and water carefully.

SOWING IN SEED PANS OR BOXES

Finer flower seeds are usually sown in pots, seed pans or boxes. Always use good rich soil, composed of fine loam and leaf mould, peat or decayed manure. Place plenty of crocks, coal ashes or other coarse material in the bottom of the pans or boxes for good drainage; then fill with finely screened soil and press firm and even with a piece of board. Scatter the seed evenly over the surface and press into the soil. Very fine seeds need no further covering, others may be given a dusting of sand, or a thin layer of fine soil may be sifted over them. Do not cover small seeds more than 2 to 4 times their own thickness. Water carefully with a very fine spray. Place a pane of glass on the pots or boxes and cover with paper or dust the glass heavily with sand until the seedlings appear. Tip the glass a little during the day or remove entirely for an hour every day to allow airing and to prevent damping off. Remove the glass as soon as the seedlings are up. A piece of burlap cut to the size of seed boxes and laid flat on the surface of the soil is often used to prevent too rapid evaporation. Watering is done on the burlap which is removed as soon as germination starts. Do not allow crowding but transplant to other pots or boxes and later to the open ground.

SOWING FOR A SUCCESSION

For earlier bloom seeds are started under the protection of frames or greenhouses or indoors early in the year. The plants are then large enough to set out as soon as the cold weather is over and these early plants may be followed by one or two later sowings in the open in the spring.

Many hardy annuals and perennials may be wintered over, blooming splendidly in spring and early summer. Sowings of these should be made in August and September.

Additional shade and mulching will be needed for seeds started in hot weather while the more tender seeds must be protected from cold when started early in the year.

In California many annual and perennial flowers may be started in the open in fall or early winter for early blooming and require no special protection. Exceptions to this rule are such strictly summer flowers as Zinnias, Asters, Portulaca, Celosias, and a few others, which should not be sown in the open until spring.

Peat Mull. This material is very valuable for mulching, incorporating in soil, etc. For further information see page 106.

Semesan. A scientific seed disinfectant. See page 110.

PREMIUM FLOWER SEEDS

California's Best

Abronia

(Sand Verbena)

- 2001 **Umbellata**—A low growing annual of trailing habit. The Verbena-like flowers are a pleasing delicate rose color. The plant is easily grown from seed planted in spring or fall and thrives very well in sandy places. 30c per ¼ oz. \$0.10

Aconitum

(Monk's Hood or Wolfsbane)

- 2003 **Napellus**—A hardy perennial valuable for planting among shrubs or in shady places and producing handsome spikes of deep blue flowers 3 or 4 feet tall.10

Adonis

(Pheasant's Eye)

- 2013 **Aestivalis (Flos Adonis)**. Pretty annual growing about 1 ft. in height and producing freely its showy crimson flowers with dark center. 30c per ½ oz.10

Agathea

(Blue Marguerite)

- 2016 **Coelestis (Amelloides)**. Splendid free flowering border perennial, producing almost continuously a wealth of daisy-like flowers of a mazarine blue. They are readily grown from seed and bloom the first season.10

Ageratum

(Floss Flower)

Very attractive and popular annual border or bedding plants 9 to 12 inches in height. They are easily raised from seed started early in seed pans or boxes and later transplanted or they may be sown outdoors in spring. The plush-like flowers appear in dense clusters entirely covering the plants.

- 2027 **Blue Perfection**. A very fine bedding sort, compact and large flowered. Color a deep amethyst blue. \$.15
- 2028 **Little Dorrit**. Very dwarf bushes not over 6 inches high densely covered with bright blue flowers.15
- 2025 **Imperial Dwarf Blue**. Clear blue, bushy and free flowering, 18 inches.10
- 2026 **Imperial Dwarf White**. Identical with the above except in color.10
- 2030 **Imperial Dwarf Mixed**. Shades of blue and pure white, 8 inches, 30c per ¼ oz.10

Alyssum—See Sweet Alyssum.

Amaranthus

Annual plants with strikingly beautiful ornamental foliage. They reach a height of 3 to 5 feet and prefer an open sunny location and rather light soil.

- 2054 **Sunrise (Molten Fire)**. A new variety with bright red flame-like foliage.25
- 2050 **Caudatus (Love lies bleeding)**. Bright crimson flowers in drooping panicles; 40c per oz.10
- 2051 **Cruentus (Prince's Feather)**. Dark red.10
- 2052 **Melancholicus Ruber**. Leaves deep red.10
- 2055 **Salicifolius (Fountain Plant)**. Long undulated foliage; deep green marked with crimson and yellow.10
- 2056 **Tricolor (Joseph's Coat)**. Very showy, leaves variegated red, green and yellow; 50c per ½ oz.10



SNAPDRAGON

(Antirrhinum)

Anagallis

- 2066 **Bright Blue**. A striking clear mid-blue. Fine for border or rock garden.15
- 2065 **Anagallis (Pimpernel)**. Fine Mixed.10

Anemone

(Windflower)

Perennial plants easily grown from seed, preferably sown where they are to bloom. Start in fall or spring and keep shaded until the seedlings appear. Height 1½ feet.

- 2070 **Germain's Giant French Mixed**. A most beautiful large flowered strain, frequently measuring four inches across and containing beautiful rose and salmon shades as well as the more striking crimson and deep blue colors; 45c per ⅓ oz. \$.10
- 2071 **St. Brigid Strain**. Very large double and single flowers in a wonderful array of colors. 2 pkts. for 25c.15
- 2072 **Chrysanthemum Flowered**. A new French strain of remarkable beauty producing large double flowers composed of numerous narrow petals not unlike a well grown Chrysanthemum.25
- 2073 **His Excellency**. Rich red, extra large size, brilliant color.15

GERMAIN'S

Los Angeles - - - Since 1871

Anchusa

(Alkanet, Bugloss)

- 2068 **Capensis** (*Cape Forget-me-not*). This attractive annual variety attains 1½ ft. in height and produces all summer lovely sprays of forget-me-not blue flowers..... PER PKT. .10
- 2069 **Italica Dropmore Variety**. One of the best hardy perennials growing to a height of 3 to 5 feet and producing an abundance of flowers in tall loose sprays. The color is a rich gentian blue very effective..... .15

New Giant Snapdragons

(*Antirrhinum Maximum*)

This wonderful new group of Giant Snapdragons far surpasses anything yet introduced. The flowers, closely placed on tall spikes, are of magnificent size—invaluable for garden decoration, they are also incomparable cut flowers of exceptional quality.

- | | |
|---------------------------------------------------|--------------------------------------------------------------|
| 2075 Apple Blossom . Rosy Pink. | 2084 The Rose . Rich Rose Pink. |
| 2076 Cattleya . Lilac, creamy yellow tube. | 2078 Copper King . Velvety Scarlet with bronze sheen. |
| 2081 Old Gold . Rich Golden Yellow. | 2090 Giant Choice Mixture . All colors. |

Price: *Any of the above, 25c per pkt.*

Collection of five separate varieties, \$1.00.

Large Flowering Semi-Tall Snapdragons

Large flowers closely placed on medium sized stems make this strain especially valuable for bedding and as cut flowers.

- | | |
|-----------------------------------------------------------------------|----------------------------------------------------------|
| 2134 Black Prince . Nearly black; small dark leaves. | 2156 Golden Queen . Large Golden Yellow. |
| 2139 Cottage Maid . Delicate pink tinged salmon; white throat. | 2165 Queen of the North . Pure White. |
| 2142 Crimson King . Rich Deep Crimson. | 2168 Rose Queen . Bright Rose Pink. |
| 2146 Defiance . Scarlet with Brilliant Orange Red suffusion. | 2171 Silver Pink . Exquisite Light Pink; ideal. |
| | 2180 Large Flowering Semi Tall Mixed . ¼ oz. 40c. |

Price: *Any of the above, 10c per pkt.*

Collection: 1 pkt. each of 8 colors, 70c.

Large Flowering Tall Sorts

A splendid strain producing large individual flowers on tall spikes 30 inches high.

- | | |
|-----------------------------------------------------------|---------------------------------------------------------------|
| 2092 Defiance . Very tall vivid orange scarlet. | 2116 Scarlet . Very showy bright scarlet. |
| 2094 Delila . A beautiful Carmine with white tube. | 2119 Queen Victoria . Pure white, a beautiful variety. |
| 2109 Rose Queen . Luminous soft rose. | 2125 Golden King . Giant rich yellow. |
| 2112 Rose King . Splendid deep rose. | 2130 Finest Mixed . All colors. |
| 2104 Harmony . Terra Cotta Orange shaded rose. | |

Price: *Any of the above sort 10c per pkt.; 30c per ¼ oz.*



AQUILEGIA

(Columbine)

Aquilegia

(Columbine)

Handsome and effective hardy perennials. The Columbines are most graceful in form and habit and invaluable to correct too stiff or formal plantings. They prefer a moist situation with partial shade. The seed may be sown in spring in the house or in the open ground; or they may be planted in August or September and will make vigorous plants and bloom abundantly the following spring. 2 to 3 feet.

PER PKT.

- 2200 **New Long Spurred Hybrids**. A superb strain producing very beautiful large flowers with long spurs and in all shade of blue, mauve, yellow, orange, rose and white \$.25
- 2191 **Chrysanth** (*Golden Spurred*). Golden yellow, 45c per ⅛ oz..... .10
- 2192 **Coerulea** (*Rocky Mountain Columbine*). Violet-blue and white25
- 2195 **Single Choice Mixed**. All colors, 50c per ¼ oz..... .10
- 2196 **Double Flowering Hybrid**. Many beautiful shades, 40c per ⅛ oz..... .10

Germain's Peerless Giants of California Asters

It is an altogether superior strain, surpassing all previous types in growth, habit, length of stem and size of flower and is hailed alike by the professional florist and amateur gardener wherever quality is appreciated.

The immense, feathery, Chrysanthemum-like flowers measure from five to six inches. The stems are low branched, heavy, two feet in length and form no laterals, hence no disbudding is necessary.

- 2235 **Peach Blossom.** Quite distinct, opens a faint blush and flushes pink when in full bloom.
- 2236 **Dark Purple.** Intense deep blue purple, a magnificent color in Asters.
- 2237 **Deep Rose.** An exceptionally rich deep shade.
- 2238 **Light Blue.** A fine flower. Delicate yet of sufficient intensity to please the most critical eye.
- 2239 **White.** The latest addition to the strain; a snow white.
- 2240 **New California Giants** in superfine mixture.

Price: *Any of the above varieties 25c per packet.*
Collection: *One packet each of 5 separate colors, \$1.00*

Crego's Giant Comet or "Ostrich Feather" Type

We consider these the finest of the Ostrich Feather strains. The large shaggy flowers with long curled petals resemble a well grown Chrysanthemum in size and form. The plants are strong, heavily branched and grow about 2½ feet in height.

- | | |
|-------------------------------------------------|----------------------------------------------------|
| 2271 Crimson. Glowing deep rose-crimson. | 2276 Purple. Showy violet purple. |
| 2272 Flesh. Attractive light shell pink. | 2274 Rose. Lovely bright carmine rose. |
| 2273 Lavender. Soft lavender blue. | 2277 White. Purest white, large and fluffy. |
- 2280 **Crego's or Ostrich Feathered Mixed.**

Price of the above 25c per packet
Collection: The six colors for \$1.10

Germain's American Branching Asters

This famous strain of branching Asters is deservedly popular. The flowers are of good size, very double, of fine form and abundantly produced.

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|--------------------------------------------------|-------------------------------------------------------|
| 2291 Crimson. Intense deep crimson red. | 2294 Purple. Perfect flower, dark violet blue. |
| 2292 Flesh. Clear even light pink. | 2295 Rose Pink. Charming bright rose. |
| 2293 Lavender. Exquisite bluish lavender. | 2296 White. Large well formed, pure color. |
- 2300 **American Branching.** All colors mixed.

Price: *Any of the above 10c per packet*
Collection: *One packet each of the six colors 50c*

Early Aster

Queen of the Market

Famous medium sized Aster for early blooming. This strain is much in use with florists who rely upon it for the early flower crop for market. It is very useful too in the garden as very fine double flowers may be had several weeks in advance of later strains.

- | | |
|-------------------------------------|---------------------------|
| 2370 Dark blue. | 2375 Scarlet. |
| 2371 Light blue or lavender. | 2378 White. |
| 2374 Rose. | 2380 Choice Mixed. |

Price per packet 10c each



ASTER

GIANTS OF CALIFORNIA

Germain's American Beauty Asters

A renowned cut flower strain producing very large densely double flowers on long stems. The flowers are of the American branching type but much larger and sturdier and hold up remarkably well after cutting and in transit.

- | | |
|--------------------------------------------------|---------------------------------------------------|
| 2246 Crimson. Rich vivid crimson red. | 2250 Peach Blossom. Pleasing rosy pink. |
| 2247 September Pink. Soft shell pink. | 2251 Rose. Bright cerise rose. |
| 2248 Lavender. Clear lavender blue. | 2252 White. Splendid large snow white. |
| 2249 Purple. Velvety dark blue or purple. | 2260 American Beauty Asters, mixed colors. |

Price: *Any of the above varieties 25c per packet*
Collection of the seven separate colors for \$1.50

Cocarneau or Crown Aster

An old favorite still in good demand. It is of medium size and very double and appears in a variety of colors, all, however, showing the contrasting crown of white or light shades for which the variety is named. Per packet.....\$.10

Sunshine Asters

A new anemone-flowered type. Outer petals long and curled, center filled with quilled petals.

- 2351 **All Colors.** Choice mixed. ⅛ oz. 50c.....\$.25

Single China Asters

Not a few flower lovers consider the single forms more artistic and charming than the larger double flowers. The single asters especially are very beautiful. The large daisy-like blossoms appear in the greatest profusion and are exquisite in bouquets.

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|-----------------------------------|-------------------------------|
| 2352 Elegance. Dark red. | 2354 Elegance. Purple. |
| 2355 Elegance. Light rose. | 2357 Elegance. White. |
| 2360 Elegance. Mixed. | |

Price per packet, any of the above, 10c

GERMAIN'S

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CANDYTUFT
GIANT HYACINTH

Arabis

(Rock Cress)

- 2202 **Alpina** (*Alpine Rock Cress*). This delightful perennial is one of the earliest and prettiest of spring flowers. The dense tufts of snow white flowers always present a neat appearance and are invaluable for edgings and rockeries. 6 to 9 inches.....\$.10

Arctotis

(White African Daisy)

- 2204 **Grandis**. A free flowering annual of unusual merit producing a wealth of large daisy-like flowers on well branched bushy plants 2 to 2½ feet high. The flowers are white with a steel blue reverse imparting a pearly hue of great charm; excellent for cutting; easily grown from seed sown in the open in early spring. 30c per ¼ oz.10

Armeria

(Thrift or Sea Pink)

- 2215 **Maritima**. Very pretty hardy perennial with slender leaves and rosy-pink flowers; invaluable for edging; 1 foot10

Aubrietia

- 2283 **Graeca**. Very charming perennial bedding plants producing masses of light purple flowers very early in spring, ½ foot. Sow in June and plant out in autumn..... .15

Auricula

(*Primula Auricula*)

Colorful hardy perennials for rock garden and border; useful also for window boxes and shady situations; prefer light, moist soil and bloom freely in April, May. ½ foot.

- 2385 **Choice English Hybrids**. Rich deep shades with many attractively margined..... PER PKT. .25

Balsam

(*Ladies' Slipper*)

An old favorite in the summer flower garden. The brightly colored double flowers are very freely produced. The plants are bushy, 18 inches high, with fleshy stems and shiny bright green leaves. Start from seeds in boxes in early spring or later in the open ground. They are ideal for bedding, borders, pots or porch-boxes—annual.

Double Camellia Flowered Strain

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|------------------------------------------------------------------|-------------------------------------------------------------------------|
| 2403 Flesh Pink . Satiny light rosy pink. | 2405 Scarlet . Brilliant fiery red. |
| 2404 Salmon Queen . Beautiful bright salmon rose. | 2409 White Perfection (<i>Alba Perfecta</i>). Pure white. |
| 2406 Solferino . White, lilac and scarlet. | 2410 Double Camellia Flowered Mixed . All colors. Per ¼ oz. 40c. |
| 2412 Double Rose Flowered Mixed . Very double. ¼ oz. 25c. | |

Price of any of the above varieties 10c per pkt.

Begonias

Begonias of the Semperflorens type take a very high rank among bedding plants; succeeding perfectly in full sunlight, they supersede all others in their ability to grow and bloom in positions partially or wholly shaded. They are also extensively used as pot plants. The neat compact bushes about 1 ft. in height are covered with brilliantly colored flowers practically all through the year.

The seed of these handsome perennials should be sown in seed pans in fine soil composed of loam, leaf mould and sand. When sowing, first press down the soil with a small board or with the hand, scatter the seed on the surface and again press the soil firm, but do not cover the seed. Water with a fine misty spray or allow the water to soak up from below. When large enough, the plants should be potted or planted in boxes until time to set out.

- | | |
|------------------------------------------------------------------------------------------------------------|-----------------|
| 2418 Semperflorens Alba . Pure white, bright green leaves. | PER PKT. \$.25 |
| 2419 Semperflorens Rosea . Bright rose, light green leaves. | .25 |
| 2424 Vernon (<i>Atropurpurea</i>). Bright orange-carmine flowers, deep red foliage..... | .25 |
| 2422 Luminosa . Fiery dark scarlet, leaves reddish brown.... | .25 |
| 2423 Prima Donna . Limpid rose shading to Carmine..... | .25 |
| 2421 Erfordia . Bright rosy Carmine..... | .25 |
| 2430 Semperflorens Choicest Mixed . Everblooming strain containing all colors; 60c per 1/16 oz..... | .15 |

SEEDS

California's Best

Tuberous-Rooted Begonias

Tuberous rooted Begonias are considered the most beautiful of all bedding plants for shaded locations in summer and, besides, are useful for many months as pot plants in-doors or under glass.

From seeds sown in early spring, and with generous treatment, plants may be flowered in six months.

Follow instructions given above for Semperflorens Begonias.

	PER PKT.
2436 Germain's Choice Single Tuberous rooted Mixed.	\$.50
2438 Germain's Finest Single Fringed Tuberous rooted mixed. .....	.50
2440 Germain's Superfine Double Tuberous rooted Mixed. .....	.50

Bellis

(English Daisy)

Double Daisies now rank among the most valuable plants for spring gardening, and beds composed entirely of these flowers give a very pretty effect. They are perennial but flower the first season from seed planted early in spring or they may be started in mid-summer for the following spring's blooming. They attain a height of 6 inches and are favorites everywhere for low edging.

2443 Mammoth Rose. Extra large flowers, fully double. 15c per pkt.	2445 Mammoth Mixed. Rose, red and white. 2 pkts. for 25c. 15c per pkt.
2442 Mammoth Red. Petals slightly quilled. 15c pkt.	2446 Longfellow. Large double pink. 10c per pkt.
2444 Mammoth White. Extra large pure white. 15c per pkt.	2450 Double Mixed. Numerous double flowers. 60c per 1/8 oz. 10c per pkt.
2447 Snowball. Very double white. 10c per pkt.	

Boltonia

(False Chamomile)

	PER PKT.
2461 Latisquama. Showy perennial growing 4 to 5 feet high, with very numerous daisy-like flowers of pleasing lilac-pink.	\$.15

Brachycome

(Swan River Daisy)

	PER PKT.
2464 Iberidifolia. Brilliant free-flowering annual blooming throughout the summer months and suitable for beds or borders. The dainty flowers resemble small Cinerarias. Height 9 inches. 50c per 1/4 oz. ....	.10

Browallia

(Amethyst)

2468 Elata Mixed. Favorite summer blooming annuals, 18 inches in height. The flowers of unique Amethyst blue and white are very freely produced.	\$.10
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Cacalia

(Flora's Paint Brush or Tassel Flower)

2475 Coccinea. Vivid orange scarlet flowers beautiful for cutting. The plants are annual and reach 8 inches in height.	\$.10
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Calceolaria

2481 Hybrida Superba. A beautiful large flowering strain, colors rich and varied. Sow seed as recommended for begonias50
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CELOSIA
CHINESE WOOLFLOWER

Cactus

2490 Choice Sorts Mixed. Leafless forms, massive, round, cylindrical, flat or angular and usually spiny are characteristic of these desert plants. Sow the seed in well drained light soil in a sheltered place and water carefully.	\$.25
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CALENDULA

(Pot Marigold or Winter Marigold)

One of the best and showiest of free flowering annuals and an "all year flower" in California. In colder climates it is an excellent pot plant for winter blooming. As a garden plant it is very effective in solid beds, borders, etc., and as a cut flower it has remarkable keeping qualities. It is of the easiest culture. Height 18 inches.

	PER PKT.
2495 Campfire. A superb variety, color deep fiery orange. ....	.15
2496 Germain's Orange King. A splendid variety with enormous Orange flowers, perfectly double and with dark center. Blooms early and remains in flower during the whole season. oz. 40c.	\$.10
2493 The Ball. Glowing Orange throughout, long stems and very large flowers. 2 pkts. for 25c. ....	.15
2494 Lemon Queen. Identical with Orange King in size and form but a rich lemon in color. 30c per oz. ....	.10
2503 Meteor. Orange striped with cream, attractive for cutting. ....	.10
2506 Royal or Trianon. Yellow, striped orange, with dark center. ....	.10
2505 Nankeen. Cream flushed Apricot. A delicate shade. ....	.10
2510 Germain's Extra Double Mixed. A choice mixture of many sorts. 30c per oz.10
Collection: One packet each of the seven varieties 60c.	

GERMAIN'S

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Campanula Medium

(Canterbury Bells)

One of the grandest of old-time favorites. These beautiful and effective hardy biennials reach a height of 3 feet and are covered with large bell-shaped flowers during spring and summer. Sow seed in late spring or fall in seed beds or boxes and later transplant to their permanent location.

Cup and Saucer Canterbury Bells

Perhaps the most beautiful type, distinct in form, with large bell or cup-shaped flowers surrounded at the base by a large Calyx of similar color, the whole resembling a cup and saucer.

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|--------------------------------|---------------------------------|
| 2536 Calycanthema Blue. | 2538 Calycanthema White. |
| 2537 Calycanthema Rose. | 2540 Calycanthema Mixed. |

Price of the above varieties 15c per pkt.; 1/8 oz. 60c.

Single Canterbury Bells

The old favorite Canterbury Bell, with large bell-shaped blossoms on strong growing bushes 2 1/2 to 3 feet high.

- | | |
|--------------------------|---------------------------|
| 2525 Single Blue. | 2527 Single White. |
| 2526 Single Rose. | 2530 Single Mixed. |

Price: Any of the above 10c per pkt.

Double Canterbury Bells

- | | | | |
|---------------------------|-------------------------------|---------|----------|
| 2535 Double Mixed. | A fine mixture of all colors. | 1/8 oz. | PER PKT. |
| 60c. | | | \$.10 |

Perennial Campanulas

(Bellflower)

Beautiful subjects for perennial borders and beds. They are easily grown in any garden and frequently flower the first year if sown early in the spring.

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|-----------------------------------------------|---------------------------------------------------|----------|
| 2542 Carpatica (Carpathian Harebell). | Clear blue, splendid for edging; 1 foot. | PER PKT. |
| | | \$.10 |
| 2541 Pyramidalis (Chimney Bellflower). | Blue. A tall stately perennial, 4 feet in height. | .10 |

Candytuft

One of the most popular annuals for furnishing beds and borders with masses of color during the spring and summer months. It is best to sow the seeds where the plants are to bloom thinning the seedlings to stand 8 to 10 inches apart. They may be started at any time during the spring or fall. Height about 1 foot.

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|----------------------------|---------------------------------|-------------------------------|-------------------------------|
| 2554 Flesh Pink. | Delicate rosy pink; oz. 45c. | 2551 Carmine. | Bright Carmine rose; oz. 45c. |
| 2556 Lavender. | Soft pinkish lavender; oz. 45c. | 2552 Crimson. | Rich red shade; oz. 45c. |
| 2559 Rose Pink. | Bright rose color; oz. 45c. | 2557 Albida. | Pure white; oz. 45c. |
| 2558 Rose Cardinal. | Beautiful rosy-red; oz. 75c. | 2560 All shades mixed. | Oz. 40c. |

Price: Any of the above varieties 10c per pkt.

Collection: One pkt. each of seven colors for 50c.



CALLIOPSIS

GOLDEN WAVE

Calliopsis

Handsome free flowering annuals, succeeding in any soil or situation. They are very effective for bedding or massing and if the spent flowers are cut may be kept blooming until late autumn. It is best to sow where they are to bloom thinning them to stand 6 to 8 inches apart. The plants grow 2 to 3 feet high and supply a wealth of pretty cut flowers.

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|---------------------------|------------------------------------|---------------------------|---------------------------------------------|
| 2513 Bicolor. | Yellow with dark eye. Per oz. 45c. | 2517 Golden Wave. | Golden Yellow Chestnut Center. Per oz. 60c. |
| 2515 Crimson King. | Rich Crimson. Per oz. 75c. | 2521 Double Mixed. | Double and semi-double. Per oz. 60c. |
| 2514 Coronata. | Extra large yellow. Per oz. 60c. | | |

2520 **Choice sorts Mixed.** Per oz. 40c.

Price: Any of the above 10c per pkt.

Canna

(Indian Shot)

While Cannas are usually set out in the form of rhizomes commonly called bulbs (see Nursery Dept.) very fine plants are also obtainable from seed.

The strain we offer is large flowered and dwarf growing.

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|-----------------------------------|----------|
| 2563 Crozy's Choice Mixed. | PER PKT. |
| | \$.10 |

SEEDS

California's Best

CARNATIONS

Carnations are exceptionally successful in California, growing and blooming continually throughout the year.

The seeds offered are originally of the best French and European strains but have been grown and reselected in California for several years. Their germination is of the highest, the flowers extra large and very double. Sow in pans or boxes using light well drained soil and covering $\frac{1}{8}$ inch. Keep shaded until the plants appear and when large enough set out in the open. Perennial $1\frac{1}{2}$ to 2 ft. in height.

Chabauds' Everblooming Carnations

A remarkably fine and vigorous strain of French origin. Blooms in about five months from seed. Produces nicely fringed flowers of very large size and perfectly double and blooms indefinitely.

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|---------------------------------------------------|----------------------------------------------|
| 2582 Bright Rose. | 2585 Scarlet. |
| 2583 Dark Crimson (<i>Black Prince</i>). | 2586 Pale Lilac (<i>Pearl</i>). |
| | 2587 White (<i>Jeanne Dionis</i>). |
| 2584 Flesh Pink. | 2588 Yellow (<i>Marie Chabaud</i>). |

Collection: One packet each of the seven colors for \$1.50.

2590 **Chabaud's Everblooming Giant Flowered. Mixed.** 5 packets for \$1.00.

Price of the above varieties 25c per packet.

Marguerite Carnations

An exceedingly popular type blooming in a few weeks from the seed. They are of very good size and produce a large percentage of fully double flowers. Can be started in boxes or directly in the open in spring or early fall.

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|----------------------------------------------------------------------------|--------------------------------------------|
| 2565 Rose. $\frac{1}{8}$ oz. 45c. | 2568 White. $\frac{1}{8}$ oz. 45c. |
| 2566 Scarlet. $\frac{1}{8}$ oz. 45c. | 2569 Yellow. $\frac{1}{8}$ oz. 60c. |
| 2570 Marguerite Choice Large Flowered Mixed. $\frac{1}{4}$ oz. 60c. | |

Price: Any of the above 10c per pkt.

Celosia Cristata

(*Cockscomb*)

Showy, sun-loving annuals, perfectly at home in the California summer sunshine where their large highly colored crests add a gay note to innumerable gardens. Sow under cover very early in spring or later in the open and transplant or thin to 10 inches apart.

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|-----------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 2620 Cristata Tall Mixed. Shades of red, pink and yellow, height 18 inches. $\frac{1}{4}$ oz. 45c. | PER PKT. \$.10 |
| 2614 Cristata Dwarf Empress. Rich Crimson Combs, about 1 ft. high, dark foliage. | .15 |
| 2615 Cristata Glasgow Prize. Immense deep crimson combs, 1 ft. | .15 |
| 2618 Cristata Dwarf Mixed. Plants about 1 ft. in height bearing immense combs in many showy colors; $\frac{1}{4}$ oz. 60c. | .10 |

Celosia Chinese Woolflower

A new and very attractive form of the feathered or Plumosa type, forming immense round heads resembling huge balls of silky wool.

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|------------------------------------------|-----------------|
| 2604 Chinese Woolflower. Crimson. | PER PKT. \$.25 |
| 2605 Chinese Woolflower. Pink. | .25 |



Celosia Plumosa

(*Feathered Cockscomb*)

The feathered cockscombs are quite distinct in form, producing tall fluffy plumes 2 feet or more in height and are excellent material for summer beds or borders. They may also be cut and dried for winter decoration in the home.

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|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 2607 Plumosa Golden Yellow. | PER PKT. \$.10 |
| 2606 Plumosa Dark Crimson. | .10 |
| 2608 Thompsoni Magnifica Mixed. Graceful feathery plumes, 3 feet in height and ranging in color from clear yellow to deepest blood-red. | .15 |
| 2610 Plumosa—Feathered Cockscomb Mixed. All shades. $\frac{1}{2}$ oz. 45c. | .10 |

CENTAUREAS

The Centaureas include two of the most popular garden annuals both for bedding and for cut flowers. They are extremely easy to grow and may be started any time either in boxes or in the open. Cover the seeds lightly or rake in and keep moist. $2\frac{1}{2}$ to 3 feet.

Centaurea Imperialis (*Royal Sweet Sultan*). A magnificent strain producing large, fringed and exquisitely scented flowers, very lasting when cut.

- | | |
|--------------------------------------------------------------------|--------------------------------|
| 2632 Amaranth Red. | 2636 Giant Deep Purple. |
| 2633 Giant Brilliant Rose. | 2637 Giant White. |
| 2635 Giant Delicate Lilac. | 2639 Giant Yellow |
| 2634 Giant Deep Lavender. | (<i>Suaveolens</i>). |
| 2640 Royal Sweet Sultan Giant Mixed; $\frac{1}{2}$ oz. 45c. | |

Price of the above varieties 10c per pkt.

Collection: One packet each of seven colors, 55c.

GERMAIN'S

Los Angeles - - - Since 1871

Cerastium

(Jerusalem Star)

- 2647 **Tomentosum.** Hardy perennial invaluable for rockeries and edgings; foliage silver grey. Height 6 flowers purplish lavender. $\frac{1}{8}$ oz. 45c..... .15

Annual Summer Chrysanthemums

Annual Chrysanthemums are invaluable for summer gardening. Our list contains the finest improved varieties producing large showy flowers on bushy plants 2 to 3 feet high and blooming throughout the summer. Sow where they are to bloom and thin to 1 foot apart.

- 2651 **Burridgeanum.** Petals white with center surrounded by ring of deep red and inner zone of yellow. $\frac{1}{2}$ oz. 35c.
 2656 **The Sultan.** Rich Scarlet. $\frac{1}{2}$ oz. 35c.
 2652 **W. E. Gladstone.** Deep Crimson. $\frac{1}{2}$ oz. 35c.
 2677 **Eastern Star.** Clear yellow with dark center. $\frac{1}{2}$ oz. 35c.
 2678 **Morning Star.** Canary yellow with dark disc. $\frac{1}{2}$ oz. 35c.
 2660 **Choicest Single Mixed (Painted Daisy).** All colors. Oz. 45c.
 2665 **Annual Double Mixed.** A beautiful new strain, giving a large percentage of perfectly double flowers in many shades of red, purple, yellow, white, etc. $\frac{1}{2}$ oz. 45c.
 2672 **Coronarium Double Yellow.** Hardy vigorous grower, excellent for cutting. Oz. 55c.
 2671 **Coronarium Double White.** A fine white flower for cutting. Oz. 55c.
 2675 **Coronarium Double Mixed.** Oz. 45c.

Price of the above varieties 10c per pkt.

Paris Daisy

(Marguerite)

- 2679 **Chrysanthemum Frutescens.** Pure white daisy-like flowers very freely produced on heavily branched bushes $2\frac{1}{2}$ feet high.....^{PER PKT.} \$.15

Shasta Daisy

(Chrysanthemum Lencanthemum)

- 2680 **Alaska.** A splendid hardy perennial with flowers of glistening white frequently 5 inches across, with broad overlapping petals and borne on strong stems of medium height ideal for cutting..... .25
 2681 **Shasta Daisy or Ox-Eye Daisy.** Very numerous large pure white flowers with small yellow center and borne on long stems. $\frac{1}{4}$ oz. 65c..... .10

Autumn Chrysanthemums

Undoubtedly the choicest of autumn flowering perennials for garden or pot culture. A wide range of colors and many fine double flowers may be produced in fall from seed sown in early spring in seed boxes and later transplanted to the open. 3 to 4 ft.

- 2685 **Japonicum Extra Large Double Mixed.** Immense flowers, beautiful colors and many doubles.....^{PER PKT.} \$.25
 2684 **Dwarf Pompom Mixed.** The small button Chrysanthemums so popular for bouquets and basket work..... .25



PAINTED DAISY

ANNUAL OR SUMMER
CHRYSANTHEMUM

Perennial White Leaved Centaureas

(Dusty Miller)

- 2644 **Gymnocarpa.** Finely cut, silvery white foliage, inches..... .15
 2643 **Candidissima.** Very decorative foliage plants for borders, etc., silvery white leaves broadly cut. Flowers yellow. $\frac{1}{8}$ oz. 60c..... .10

Double Cornflower

(Centaurea Cyanus)

An old favorite known also as Bachelor's Buttons, blue bottle, bluet, etc. One of the hardiest of annuals succeeding anywhere and responding quickly to what little care and cultivation may be bestowed upon it. The double sorts listed below are greatly improved both in size, type and range of color and are not to be compared with the old single strain.

- 2624 **Germain's Extra Double Deep Blue.** One of the finest blue annuals in cultivation. Flowers very large, fully double, oz. 60c.
 2626 **Extra Double Rose Pink.** Oz. 60c.
 2627 **Extra Double Pure White.** Oz. 60c.
 2628 **Double Brick Red (Miniata).** Oz. 60c.
 2630 **Extra Double Finest Mixed.** Oz. 40c.

Price: Any of the above sorts 10c per pkt.

- 2642 **Centaurea Americana (Basket Flower).** A native species of great beauty, growing to a height of 3 to $3\frac{1}{2}$ feet and excellent for cutting. Large Lilac flowers.....^{PER PKT.} \$.10

SEEDS

California's Best

COSMOS

Very graceful tall annuals, with large long stemmed flowers and finely cut foliage. Cosmos are invaluable in the summer and autumn garden; the plants are bushy, 5 to 8 feet high and produce a wealth of excellent cut flowers. They are very useful for back grounds and screens, or wherever tall heavily branched flowering plants are needed. By using both early and late flowering strains they may be had in bloom from early summer until late fall. Easily grown from seed and succeeding anywhere.

Germain's Mammoth Flowering Cosmos

This beautiful strain attains remarkable proportions; bushes are broad and tall, flowers of largest size and with wide overlapping petals. If given an early start they bloom from mid-summer until late autumn.

- 2756 **Mammoth Flowering Crimson.** Brilliant deep red.
 2757 **Mammoth Flowering Pink.** Bright rosy pink.
 2758 **Mammoth Flowering White.** Very large pure white.
 2760 **Mammoth Flowering Mixed.** Oz. 30c.

Price of the above varieties 10c per pkt.
 Collection of one packet each of the 3 colors 25c.

Germain's Extra Early Giant Cosmos

A new strain producing large flowers and commencing to bloom in the early summer.

- 2752 **Early Giant Crimson.** 2754 **Early Giant White.**
 2753 **Early Giant Rose.** 2755 **Early Giant Mixed.** Oz. 60c.

Price: Any of the above 10c per pkt.
 Collection of a packet each of the 3 colors for 25c.

Orange Yellow Cosmos

- 2762 **Klondyke.** A tall, vigorous species with large orange yellow flowers abundantly produced in the fall. $\frac{3}{4}$ oz. 30c. .10

Germain's Choice Cinerarias

It would be hard to find a flowering pot plant or bedding plant of more resplendent beauty than the Cineraria. It produces gorgeous spikes of large blossoms in the most vivid shades during the late winter and early spring and delights in a cool shady location succeeding wonderfully well even out doors in Southern California. The seed should be sown in summer or early fall in seed pans.

- 2704 **Germain's Giant Exhibition Strain.** This is by far the most beautiful and finest strain we have seen. The flowers of enormous size are borne on sturdy plants about 18 inches in height. The colors range from white and light pink through rose, scarlet and purple, to deep crimson and royal blue. .50
 2700 **Choice Hybrids Mixed.** Very beautiful large flowering strain imported from the best European sources. .25
 2705 **Stellata (Star Cineraria).** A very popular strain producing innumeral star shaped flowers of good size and in a fine range of colors. .25
 2706 **Maritima Candidissima.** This as well as the white leaved Centaurea, is called Dusty Miller. The downy deeply cut foliage is silvery-white in color. .10



COSMOS
DOUBLE

Double Crested Cosmos

Flowers well filled in the center with a crest of narrow petals; some singles will appear but these are also very beautiful.

- | | PER PKT. |
|--------------------------------------------------------------------|----------|
| 2763 Crimson King. Rich deep red. | .25 |
| 2764 Pink Beauty. Soft satiny pink. | .25 |
| 2765 White Queen. Pure white. | .25 |
| 2770 Germain's Double Crested Mixed. $\frac{1}{4}$ oz. 60c. | .25 |

One packet of each of the three colors for 60c.

Clarkia

Very free flowering annual of easy culture producing handsome double flowers on leafy stems and valuable for bedding for borders and for cutting. 2 to 3 feet. Sow in spring or fall in sun or partial shade.

- | | PER PKT. |
|---------------------------------------------------------|----------|
| 2711 Double Apple Blossom. | |
| 2715 Double White (Alba). | |
| 2716 Double Salmon Queen. | |
| 2712 Double Brilliant Rose. | |
| 2717 Double Scarlet. | |
| 2720 Double Choice Mixed. $\frac{1}{4}$ oz. 30c. | |

Price of the above varieties 10c per pkt.
 Collection of six packets for 40c.

Clianthus

Handsome sun-loving perennials from Australia, bearing clusters of bright pea shaped flowers. Sow the seeds in a dry sunny situation and water sparingly. 4 feet.

- | | PER PKT. |
|-------------------------------------------------------------------------------------------------------|----------|
| 2727 Puniceus (New Zealand Parrot's Bill). Large bunches of showy red flowers. | .25 |
| 2728 Dampieri (Australian Glory Pea). Clusters of brilliant scarlet flowers marked with black. | .25 |

GERMAIN'S

Los Angeles - - - Since 1871

Cuphea

(Cigar Plant)

Pretty dwarf woody perennials ideal for borders and edging. Height about 1 foot.

PER PKT.

2774 **Miniata.** Deep Scarlet with lilac center.....\$.10

2775 **Platycentra.** Russet Orange..... .25

Cyclamen

Charming tuberous perennial plants for the house or sheltered situations in the garden. Foliage rich deep green, flowers brilliantly colored and fragrant. Seeds should be planted ½ inch deep in well prepared seed boxes and seedlings moved to small pots. Cyclamen bloom in about 15 months from seed.

PER PKT.

2800 **Persicum Giganteum.** Finest Giant strain mixed\$.25

2798 **Popilio (Butterfly).** Petals prettily fringed. Mixed colors..... .25

Dahlias

(From Seed)

While Dahlias are more frequently grown from tubers or roots it is quite possible and very interesting to grow them from seed. This may be done in one season, even from seed sown in the open ground as late as April. Dahlias are very variable and results obtained usually show a bewildering assortment of colors and shapes.

2810 **Giant Double Flowered Mixed.** 25c per pkt. 2808 **Cactus Flowered Mixed.** 25c per pkt.

2814 **Pompon Mixed.** Dwarf small flowered, very double. 25c per pkt.

2812 **Single Sorts Mixed.** All colors. 10c pkt.

DIANTHUS

(Pinks)

Delightfully fragrant and brilliantly colored annual or biennial border and bedding plants. They are quite similar to the Carnation and the double sorts rival these in value as cut flowers for the home. While biennial they bloom very quickly from seed, which may be sown at any time, and usually keep over for a second season. Most varieties reach a height of 8 to 10 inches.

Double Annual Pinks

2843 **Mourning Cloak.** Maroon, white edge. ¼ oz. 45c.

2848 **Malmaison.** Bright rose. ¼ oz. 60c.

2844 **Fireball.** Fiery Scarlet. ¼ oz. 45c.

2849 **Purity.** Snow white. ¼ oz. 45c.

2856 **Double Diadem Pink.** Mixed. ¼ oz. 40c.

2852 **Laciniatus.** Mixed. Double fringed. ¼ oz. 40c.

2860 **Chinensis (China Pink).** Double mixed. ½ oz. 30c.

2855 **Heddwigii (Japanese Pink).** Double mixed. ½ oz. 50c.

2853 **Hybridus Flora Plena.** New double strain, ¼ oz. 50c.

Price of the above varieties 10c per pkt.

Collection: A packet each of the 9 sorts for 75c.

Single Annual Pinks

2863 **Crimson Belle.** Velvety Crimson. ¼ oz. 40c.

2866 **Eastern Queen.** Bright rose. ¼ oz. 45c.

2872 **Laciniatus.** Single Fringed. ¼ oz. 30c.

2871 **Nobilis (Royal Pink).** Mixed. ¼ oz. 30c.

2870 **Heddwigii.** Single Japanese Pink mixed. ½ oz. 40c.

The above varieties are 10c per pkt.

Collection of the five varieties for 40c.



DIANTHUS

Cleome

2726 **Pungens (Spider Flower)**..... .10

Coleus

(Flame Nettle)

2733 **New Large Leaved Hybrids.** Our strain of large leaved varieties produces the most highly colored and novel foliage plants for summer bedding or house culture. Sow in seed box in early spring and transplant. 2 feet.25

2735 **Finest Mixed.** Beautiful variegated foliage, strong plants, 2 ft. high; of great decorative value..... .15

Collinsia

(Innocence)

2737 **Bicolor.** Slender, graceful annual 1½ to 2 feet high, bearing clusters of lilac flowers prettily marked with white, violet and purple; oz. 60c..... .10

Coreopsis

2749 **Lanceolata Grandiflora.** One of the finest of hardy perennial flowers. The showy Golden Yellow flowers are long stemmed, very abundantly produced, and keep remarkably well when cut. They thrive anywhere and bloom the first season. Height about 3 feet; oz. 50c.... .10

2747 **Flora Pleno.** Double yellow, ¼ oz., 55c..... .25

Cynoglossum

(Chinese Forget-me-not)

2807 **Amabile.** Brilliant metallic blue; ¼ oz. 30c..... .10

SEEDS

California's Best

New Giant California Hybrid Delphiniums

(Double Extra Large)

- 2834 We recommend this strain above all others for its tall robust growth and heavy foliage and the extraordinary size and exquisite color variations of the flowers. It has no rival in California gardens. The plant itself is handsome and decorative and a group of the stately clumps in full bloom is a sight not easily forgotten. The colors range from the tenderest opal shades to the deepest royal purple, intermediate tones including delicate mauve, rose, lavender and lilac tints, many exquisitely blended. Offered in packets only at..... 1.00

PER PKT.

New Hollyhock Strain

- 28°9 This striking type is the result of several years of painstaking reselecting by a noted California Hybridizer. The flowers are large, fully double, well-placed on long, pyramidal spikes; their sturdy growth and general appearance reminding one of a Hollyhock, hence the name. The color range is most pleasing and we strongly recommend it to all who prefer the bright and lighter shades..... .50

- 2825 **Delphinium Belladonna** (*California Strain*). No summertime visitor to California can fail to see this exquisite flower, for every flower store in Southern California displays huge baskets of it through the major part of the season. It is indeed the cut flower "par excellence" among Delphiniums. We have been told that our California strain of Belladonna is of a purer turquoise blue; it is undoubtedly very lovely. The plant grows to a good height, blooms abundantly and is worthy of a place among the best in every garden.... .25

- 2827 **Delphinium Bellamosum**. A deep royal blue variety. It is said to be a hybrid between the foregoing and Formosum, but is perhaps a more vivid and intense blue. It has the tall habit and profuse growth of Belladonna and is the finest of the dark blue sorts..... .25

- 2832 **Gold Medal Hybrids**. Improved double flowering Hybrids. The plants grow to 5 feet in height and produce large full flowers in a great variety of delicate colors, especially in the lighter shade of blue..... .15

- 2835 **Elatum Hybridum Single Mixed**. A very choice strain of light and dark blue shades. Height 5 feet..... .10

Delphinium Chinensis

(Chinese Delphinium)

Very attractive species blooming quickly from seed. They grow to a height of 2 or 3 feet and are useful for bedding and cut flowers. The seed may be sown in the open in spring for summer blooming.

- 2819 **Chinese Album Grandiflorum**. Large flowering white.
2822 **Chinense Dark Blue**. Deep royal blue.
2821 **Chinense Azure Blue** (*Azure Fairy*). Delicate sky blue.
2823 **Chinense Blue Butterfly**. Bright navy blue, excellent cut flower.

Price of the above 10c per pkt.



Improved English Hybrids

(Re-selected from Original Importations)

Selections made from many excellent Delphinium varieties recently imported from England have given rise to this improved strain of English Hybrids. They have proved exceedingly successful in California and produce an abundance of flowers of great beauty. It is a strain we can heartily recommend, knowing that it cannot fail to give great general satisfaction.

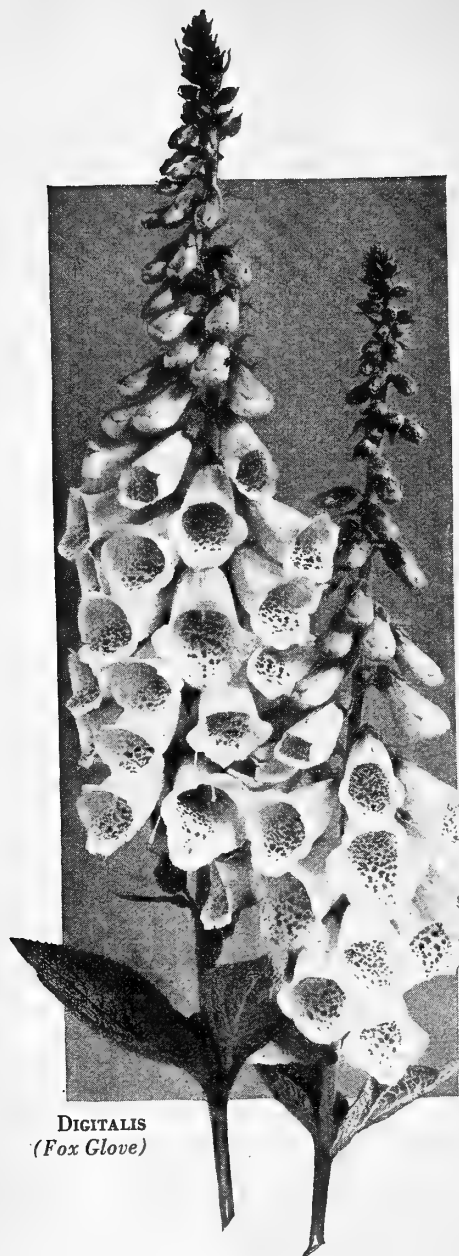
This strain is now available also in separate shades which are offered below:

- 2824 **Deep Blue Shades**. Rich velvety purple and blue.
2826 **Mid Blue Shades**. Lovely violet and light purples.
2839 **Light Blue Shades**. Delicate turquoise and azure blue.
2840 **Pastel Shades**. Exquisite blendings of mourne, lavender, light blue, etc.
2831 **Improved English Hybrids Mixed**. A superb mixture containing the full range of color.

Price: Any of the above 25c per pkt.

GERMAIN'S

Los Angeles - - - Since 1871



DIGITALIS
(Fox Glove)

Hardy Garden Pinks

Splendid for cutting; refreshing, spicy odor and well adapted for beds, borders, etc. Fine edging for the perennial border.

- 2874 **Plumarius Fl. Pl. Mixed.** Beautiful double and semi-double flowers in a variety of pleasing shades. $\frac{1}{8}$ oz. 45c.....\$.25
- 2875 **Plumarius Mixed.** Single prettily fringed flowers, very sweet scented and charming. $\frac{1}{4}$ oz. 30c.....\$.10

Didiscus

(Blue Lace Flower)

- 2885 **Coeruleus.** This elegant annual plant blooms abundantly from July until November. The flowers are of an exquisite "lacy" texture hard to describe. A delicate lavender shade and invaluable for cutting. Height 18 inches. 2 pkts. 25c. $\frac{1}{4}$ oz. 60c.....\$.15

Digitalis

(Fox Glove)

Fox gloves are tall, showy, hardy plants with green spikes of closely set flowers in many attractive shades. They are favorites in the hardy border and for growing between shrubs and in shady places. Sow in spring or fall. Height 4 to 5 feet.

- 2890 **Gloxiniaeflora.** Handsome spotted Gloxinia-like flowers on long spikes. Mixed colors. $\frac{1}{4}$ oz. 30c.....\$.10

Dimorphotheca

(African Orange Daisies)

These are among the best winter flowering annuals. If started in September they begin to bloom in January. The bright daisy-like flowers appear on stems about a foot high and cover beds, borders and parkings with a mass of bloom.

- 2891 **Aurantiaca.** Bright Orange. $\frac{1}{4}$ oz. 50c.....\$.10
- 2892 **Finest Hybrids Mixed.** Color s range from white, cream and salmon to deep orange. $\frac{1}{4}$ oz. 50c.....\$.10
- 2893 **Golden West.** Superb Golden Yellow. $\frac{1}{4}$ oz. 65c.....\$.10
- One packet each of the 3 sorts for 25c.

Erythrina

(Coral Tree)

- 2915 **Crista Galli.** Handsome decorative plant, producing showy racemes of rich scarlet flowers.....\$.25

ESCHSCHOLTZIA

The Golden Poppy of California, a native of our valleys and hillsides, has become one of the favorite garden annuals throughout the world. Many new shades have been obtained and the existing flowers have been greatly improved in size and color through cultivation and selection.

They thrive in any garden soil and should be sown where they are to bloom thinning the plants to 6 or 8 inches apart. Height 1 to 1½ ft.

Seven Splendid New California Poppies

- 2941 **Tango.** Bronze red and terra cotta.
- 2932 **Mauve Beauty.** Soft Mauve rose.
- 2937 **Purple Glow.** Rich reddish purple.
- 2928 **Lovely.** Satiny rose suffused salmon.
- 2939 **Scarlet Beauty.** Deep scarlet.
- 2918 **Ballet Girl.** Frilled petals, Carmine outside and creamy white inside.
- 2935 **Orange Flame.** Very erect, splendid for borders. Brightest Orange scarlet.
- 2949 **Richest shades Mixed.** Orange, pink, crimson, scarlet, etc. $\frac{1}{2}$ oz. 60c.

Price: All the above varieties 15c per packet.

Collection: One packet each of the seven new shades for 90c.

Large Flowering Sorts

- 2938 **Rosy Queen.** Soft Rose-pink.
- 2924 **Deep Orange (True California Poppy).** Improved large deep orange, oz. 35c.
- 2925 **Extra Golden.** Rich Yellow.
- 2927 **Golden West.** Large two-toned Canary and Orange yellow, oz. 30c.
- 2931 **Mandarin.** Orange and Mandarin red.
- 2942 **The Geisha.** Fluted petals, golden inside and red outside.
- 2945 **Vesuvius.** Wallflower red.
- 2923 **Waller's Crimson.** Improved large Carmine crimson, oz. 75c.
- 2946 **White.** Re-selected pure white.
- 2950 **Mixed.** Many shades of Orange, Yellow and White, oz. 30c.

Price: Any of the above varieties 10c per pkt.

Collection: One packet each of the 9 colors for 65c.

SEEDS

California's Best

TWO SPLENDID GAILLARDIAS

Few cut flowers are so dependable during the warm summer and fall months as these showy, large flowered gaillardias. They are perennial but bloom the first season from seed which may be started at any time of the year in California and Southern States. We especially recommend the two varieties listed below as they are much larger, brighter in color and better in every way than the older types.

- 2969 **Dazzler.** The latest introduction and an immediate favorite with all cut flower growers on account of its dazzling color. It is an intense orange red which is exceedingly effective when cut. Plants are vigorous, stems long and wiry. a superb novelty. $\frac{1}{8}$ oz. 50c..... .25

- 2970 **Portola Hybrids.** A strain of recent introduction which is still among the best. The flowers are extra large, long stemmed and of splendid keeping quality. They are of a vivid red shade tipped with gold, after the manner of the original type but the colors are brighter, clearer and the flowers immense in comparison. $\frac{1}{8}$ oz. 50c..... .25

Euphorbia

Strong growing annual about 2 ft. in height. The flowers are inconspicuous; the foliage however in very ornamental.

- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| | PER PKT. |
| 2954 Variegata (<i>Snow on the Mountain</i>). Leaves heavily margined white..... | \$.10 |
| 2955 Heterophylla (<i>Annual Poinsettia or Mexican Fire Plant</i>). In mid-summer the top center leaves of the branches turn scarlet giving the general effect of the Poinsettia. | .15 |

Ferns

Should be grown in a peaty, sandy soil and moist shady position. Sow seed on the surface in seed pans or pots.

- 2959 **Greenhouse Species.** Many choice sorts mixed.
- 2960 **Open Ground Species.** Hardy sorts mixed.
Price of the above per packet 15c each.

Freesia

Freesias although better known as bulbous plants, may easily be brought in flower from seed in one year.

- | | |
|-----------------------------------------------------------------------------------------------------|----------|
| | PER PKT. |
| 2963 Refracta Alba. The well known creamy white species. | \$.10 |
| 2965 Rainbow Mixed. Many beautiful shades including Carmine, Orange, Golden Yellow, etc..... | .25 |

Gentiana

An alpine plant much used in rock work and for borders, 3 to 4 inches high.

- | | |
|----------------------------------------|----------|
| | PER PKT. |
| 2981 Acaulis. Intense blue..... | \$.10 |

Geranium

(*Pelargonium*)

- 2983 **Zonale Mixed.** Very interesting to grow from seed. Sow indoors early and set out in April or May..... .15



Gaillardia

(*Blanket Flower*)

Both the annual and perennial strains of Gaillardias are effective and valuable summer flowering plants for bedding, for borders and for cutting. If sown early they begin to bloom in July and continue a mass of bloom until late fall, blooming also in winter in all mild sections of the country. Height 2 to 2½ feet.

- 2977 **Picta.** Annual, Crimson and Orange, $\frac{1}{2}$ oz. 40c.
- 2980 **Lorenziana Double Mixed.** Superb double flowering strain. Annual. $\frac{1}{2}$ oz. 45c.
- 2972 **Grandiflora Maxima.** Perennial, Golden Yellow.
- 2973 **Grandiflora Sanguinea.** Perennial, Blood-red with yellow border.
- 2975 **Grandiflora Superb Mixed.** Very large flowers in splendid combinations of Crimson and Gold. $\frac{1}{2}$ oz. 45c.

Price of all the above per packet 10c.

GERMAIN'S

Los Angeles - - - - Since 1871

Gladiolus

(Sword Lily)

Widely known and usually propagated from bulbs. They are however easily raised from seeds blooming usually the second year. Seeds saved from our own extensive fields.

3003 Selected Choice Mixed.....PER PKT. \$.25

Gloxinia

3004 **Hybrida Grandiflora.** One of the most beautiful flowering pot plants for the house or conservatory. Sown in early spring in seed pans and later potted they bloom in 5 months. They thrive best in a mixture of peat, loam and sand.....PER PKT. .50

Godetia

Very handsome annual plants especially suited for semi-shady locations. Sow in spring in the open and thin to 8 or 10 inches apart. The flowers are bright and colorful and the single sorts are not unlike the Azalea in form. The double varieties are popular for cutting.

3020 Single Very Choice Mixed. $\frac{1}{2}$ oz. 45c.....PER PKT. \$.10

Large Flowered Tall Double Sorts

3021 **Carmine.** Rich Carmine Center with lighter margin. $\frac{1}{4}$ oz. 35c.

3026 **Lilacina.** Mauve lilac. $\frac{1}{4}$ oz. 35c.

3024 **Rose.** Bright rose shade with Carmine at base. $\frac{1}{4}$ oz. 35c.

3022 **Crimson.** Deep Crimson heavily margined rosy red. $\frac{1}{4}$ oz. 35c.

3030 **Tall Double Mixed.** All colors. $\frac{1}{4}$ oz. 30c.

Price: *Any of the above varieties 10c per pkt.*

Gypsophila

(Baby's Breath)

The Gypsophilas in both the annual and perennial varieties are very popular for mixing with other flowers. The light feathery sprays of tiny white flowers are exceedingly graceful. The annual strain may be started at intervals throughout the year and should be sown where the plants are to bloom. The perennials require somewhat longer to come into bloom, but once established they furnish quantities of flowers each season.

Annual Sorts

3043 **Elegans Rosea.** Small light pink flowers, oz. 45c... .10

3044 **Elegans White.** Small white, tinged lavender, per oz. 30c..... .10

3045 **Grandiflora Alba.** Greatly improved, large flowers and pure white, per oz. 35c..... .10

Perennial Varieties

3046 **Paniculata.** Large panicles of tiny white flowers, 30c per $\frac{1}{4}$ oz..... .10

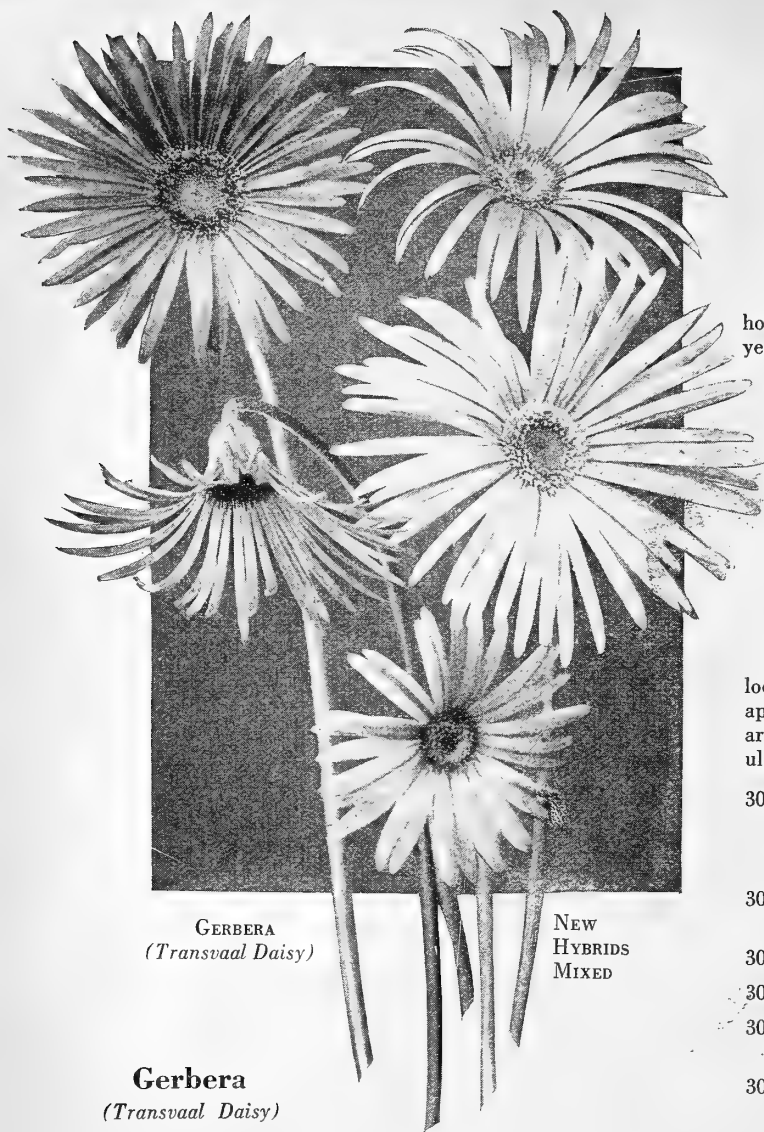
3047 **Paniculata Double.** New double flowering variety... .25

Helenium

(Sneeze Wort)

Strong growing hardy perennial 3 to 5 feet tall; succeeding anywhere and giving an enormous crop of flowers in the fall.

3116 **Autumnale.** Bright Golden Yellow flowers.....PER PKT. \$.15



GERBERA
(Transvaal Daisy)

NEW
HYBRIDS
MIXED

Gerbera

(Transvaal Daisy)

The original bright Scarlet form was introduced from South Africa, but new colors quickly appeared and today a remarkable range is to be found in the New Hybrid Strain offered below.

The seed should be sown in seed pans of light, well drained soil, under shelter, and the young plants later set out in good rich soil with plenty of drainage and in a sunny spot.

2989 **Scarlet and Red Shades**.....PER PKT. \$.25

2990 **New Hybrids Mixed.** Many new shades in superb mixture.25

Geum

(Avens)

A hardy perennial border plant of great beauty and succeeding admirably in California where it blossoms practically the entire year. Sow seed in boxes and transplant out of doors in spring. $1\frac{1}{2}$ to 2 feet.

2994 **Mrs. Bradshaw.** Large double brilliant Scarlet, constantly in bloom.....PER PKT. \$.10

2992 **Lady Stratheden.** A new Golden Yellow with large full flowers of great beauty..... .25

Gillia

2996 **Capitata.** A graceful annual with feathery foliage and globular heads of rich lavender blue flowers excellent for cutting. They may also be dried..... .10

2998 **Tricolor Mixed (Bird's Eyes).** Pretty annual about 1 foot high with pale lilac flowers. Yellow towards the center and with purple spots. Oz. 40c..... .10

SEEDS

California's Best

Helianthus

(Sunflower)

Tall, rapidly growing plants mostly annuals 6 to 7 feet in height and producing an abundance of large showy flowers. They are effective for screens, backgrounds, among shrubbery and are useful for cutting. Sow in spring in their permanent location.

- 3119 **Double Chrysanthemum Flowered.** Large perfectly double flowers of a rich golden yellow, 45c per ½ oz.
- 3122 **Double Flowered Dwarf (Globe of Gold).** A very double sort of dwarf habit, 40c per ½ oz.
- 3123 **Cucumerifolius (Miniature sunflower).** Single rich yellow flowers in great abundance, 30c per ¼ oz.
- 3124 **Stella.** A variety of the above, flowers golden yellow with black disc, 45c per ½ oz.
- 3126 **Red Hybrid.** The nearest approach to a red sunflower. 40c per ½ oz.
- 3127 **Augustiflorus (Autumn Glory).** A perennial sort producing great masses of bloom in late autumn.

Price: *Any of the above varieties 10c per pkt.*

Heliotrope

(Cherry Pie)

Very attractive perennial plants valuable for bedding in semi-shaded location or may be trained up as climbers. Seeds sown under cover in early spring will make blooming plants by summer or they may be sown in the open in May.

- | | PER PKT. |
|----------------------------------------------------------------------------------------------------|----------|
| 3148 Royal Dark Blue. Large heads of deep purple flowers. | \$.25 |
| 3150 Choice Mixed. A fine strain containing many shades of lavender, purple and white. | .10 |

Hesperis

- 3151 **Matronalis (Sweet Rocket or Dame's Violet).** An old favorite perennial plant used for borders, rockeries, etc. Flowers purple, sweet scented. 18 inches.10

HOLLYHOCKS

Indispensable wherever height and color are required in the garden. The giant stalks with closely placed double, semi-double or single flowers, rise to a height of 6 or 7 feet and are strikingly effective in groups, in rows, as a background or planted among the shrubbery. Seed sown early indoors and transplanted will bloom late the same year; if sown in late summer or fall they bloom throughout the following season.

Germain's Improved Double Varities

- | | |
|-----------------------------------------------------------|-----------------------------------------------------------|
| 3164 Germain's Double Crimson. Rich deep red. | 3171 Germain's Double White. Pure white. |
| 3166 Germain's Double Pink. Bright rose pink. | 3173 Germain's Double Yellow. Clear satiny yellow. |
| 3167 Germain's Double Maroon. Velvety dark maroon. | 3175 Germain's Double Mixed. All colors. |

Price: *Any of the above varieties 10c per pkt.*



HOLLYHOCK

Hibiscus

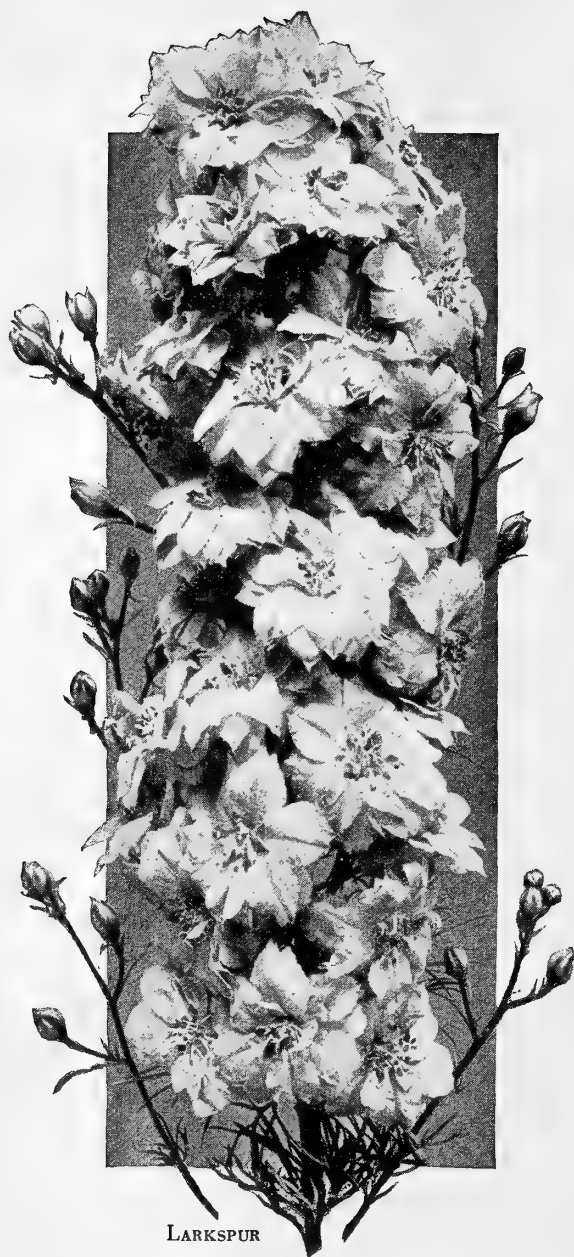
(Marshmallow)

- 3160 **Mallow Marvels.** Robust perennials, 5 to 6 feet high, bearing profusely large flowers in shades of red, rose and white. They bloom from July until October and adapt themselves to any soil or situation.15

Heuchera

(Coral Bells)

- 3155 **Sanguinea.** Delightful low border perennial about 1 ft. high producing many graceful stems of bright coral red bell-shaped flowers. Sow the seed in boxes early in fall or in spring and transplant.15
- 3156 **Sanguinea Finest Mixed.** Similar to the above, but in varied shades of red, pink and white.15



LARKSPUR

Hollyhocks (Continued)

- 3178 **Allegheny Mixed.** Semi-double flowers, beautifully fringed. 50c per $\frac{1}{4}$ oz. PER PKT.\$.10
- 3180 **Finest Single Mixed.** Large single flowers in many shades, vigorous, tall habit, 40c per $\frac{1}{2}$ oz.10

Honeysuckle, French

(*Hedysarum*)

- 3115 **Coronarium.** Profuse blooming perennial about 3 feet in height, succeeds well anywhere and is particularly valuable for seaside planting. Colors red and white mixed, 50c per $\frac{1}{2}$ oz.10

Honesty

(*Lunaria*)

- 3185 **Biennis.** A biennial plant of the easiest culture usually re-seeding itself after a first planting. It grows 18 inches high, has purple flowers and is especially interesting when dried. The diaphanous inner linings of the seed pods, after hulls are removed, present a very decorative effect. 30c per $\frac{1}{4}$ oz.10

GERMAIN'S

Los Angeles - - - - Since 1871

Hunnemannia

(*Mexican or Giant Yellow Tulip Poppy*)

- 3190 **Fumariaefolia.** A perennial, flowering the first year from seed and blooming through the greater part of the season. The poppy-like flowers are similar to the California poppy but of a lighter canary yellow. They are excellent for cutting, keeping a long time in water. 45c per $\frac{1}{2}$ oz.10

Impatiens

- 3196 **Sultani (Sultan's Balsam).** Charming free flowering perennials for bedding in semi-shade or for pot culture. The wavy, bright rosy scarlet flowers are produced almost continuously. Sow in pans or boxes and transplant.25

Jacobaea

(*Senecio*)

- 3226 **Double Choicest Mixed.** Very interesting annual 1 $\frac{1}{2}$ ft. high, closely resembling the pompon crysanthemum in form and also in range of colors which includes rose, copper, magenta red, etc. Flowers freely through the summer from seeds sown in spring.25

Kochia

(*Summer Cypress or Belvedere*)

- 3229 **Childsi.** Attractive annual for borders, etc., resembling a young cypress in general appearance. In the fall the cold nights color the foliage to a deep crimson. 30c per oz.10

Lantana

- 3235 **Dwarf Mixed.** Bushy plants about 1 ft. high bearing constantly showy heads of Verbena-like flowers. They are perennial; a permanent bedding material of the first order.25
- 3234 **Tall sorts mixed.** Shrubby perennials growing 3 to 4 feet high and producing their showy orange, red or yellow flowers continuously throughout the year. 60c per oz.10

Larkspur

(*Annual Delphinium*)

Tall Double Stock-Flowered

Old time favorites as they are, there are few annuals in our gardens today to equal the Larkspurs' usefulness and charm. The double stock-flowered strain here offered is a note-worthy improvement on the older forms. The plants are heavily branched, grow to a height of 3 feet or more and produce a continuous succession of bloom from early summer until fall. Invaluable for summer bedding and border planting, they are also one of the most dependable sources of cut flowers over a period of months. Sow in the open in early spring or fall.

- | | |
|-------------------------------|----------------------------|
| 3238 Dark Blue. | 3248 Bright Violet. |
| 3243 Lilac. | 3246 Bright Rose. |
| 3244 Lustrous Carmine. | 3245 Rosy Scarlet. |
| 3249 White. | |

Price 25c per $\frac{1}{4}$ oz., 10c per pkt.

Collection: One packet each of seven colors, 50c.

- 3250 **Tall Double Stock-Flowered Mixed.** All shades, 20c per $\frac{1}{4}$ oz. PER PKT.\$.10

SEEDS

California's Best

Lavandula

(Lavender)

- 3268 **Vera.** The true sweet lavender, a well known perennial and fine for the mixed border. $\frac{1}{4}$ oz. 30c..... .10

Lavatera

(Annual Mallow)

- 3266 **Trimestris Mixed.** Very beautiful annuals 3 to 4 feet high, with large satiny flowers in shades of Carmine, rose and white; 35c per $\frac{1}{2}$ oz..... .10

Linaria

- 3290 **Maroccana Choice Mixed.** Pretty annuals 12 to 15 inches high, valuable for massing or low borders..... .10
- 3284 **Cymbalaria (Kenilworth Ivy).** Delightful perennial trailing plant for rockwork, baskets, window boxes, etc. Flowers lavender and purple..... .25

Linum

(Scarlet Flax)

- 3292 **Grandiflorum Rubrum.** A brilliant and attractive annual of long duration. Sown in permanent location in fall for early spring bloom or sow in spring for summer blooming. Flowers bright scarlet, abundantly produced, 40c per oz..... .10
- 3291 **Perenne. (Perennial Flax).** Bright blue..... .10

Lobelia

The annual varieties of Lobelia we offer are dwarf compact plants 4 to 6 inches high or trailing sorts used for baskets, urns, etc. They are remarkably free flowering, blooming continuously from June to November.

Lobelia Cardinals is a very desirable perennial plant.

- 3296 **Crystal Palace Compacta.** Rich deep blue of erect, bushy growth. Leaves deep bronzy green. Ideal for edging, beading and ribbon borders.....\$.10
- 3297 **Emperor.** Clear Light Violet or sky blue..... .10
- 3301 **White Gem.** Compact bushes covered with snow white blossoms..... .10
- 3303 **Pendula Hamburgia.** Clear blue with distinct white eye, trailing habit, very popular for hanging baskets..... .15
- 3308 **Cardinalis (Cardinal Flower).** Showy perennial with spikes of brilliant scarlet flowers, height 3 feet..... .25

Lupinus

(Lupine)

The annual Lupines are easily grown, free flowering plants 2 to 3 feet high, useful for beds, borders and for cutting. While they seem to prefer a little shade, they are very easy to grow in any ordinary soil or situation. Sow in spring or fall preferably where they are to bloom.

- 3313 **Dark Blue.** 3316 **Rose.**
- 3314 **Light Blue.** 3312 **White.**
- 3321 **Nanus Dwarf Blue.** 1 3320 **Choice Annual Mixed.**
to 1 $\frac{1}{2}$ ft. high. 35c per oz.
- 3322 **Polyphyllus Mixed.** Effective perennials 3 ft. in height in all shades of blue, rose and white.

Price: Any of the above 10c per pkt.



MARIGOLD
FRENCH

Lychnis

(Jerusalem Cross)

- 3327 **Chalcedonica.** Very brilliant hardy perennial 2 to 3 feet high, flowers vivid scarlet.....\$.10
- 3328 **Haageana Hybrids.** Superb shades of orange, crimson, etc., height 1 $\frac{1}{2}$ ft..... .10

MARIGOLDS

(Tagetes)

The African and French Marigolds enjoy a well deserved popularity. They form excellent material for summer bedding and mixed borders and offer an endless supply of splendid cut flowers. The diversity of orange and yellow shades in which they abound permits of most effective contrasts in decoration if combined with the blues and purples of Larkspur, Cornflower, etc. Sow in early spring in a sunny exposure. While they thrive most anywhere they appear most successful in light soils.

Choice French Marigolds

- 3341 **Legion of Honor (Little Brownie).** Very popular single variety or compact growth, about 9 inches high. Produces masses of golden yellow flowers with velvet brown centers from spring until late fall. 25c per $\frac{1}{4}$ oz..... .10
- 3333 **Scotch Gold Striped.** Double, deep velvety flowers striped gold25
- 3342 **Double Dark Brown.** Very double flowers of rich orange brown. 25c per $\frac{1}{4}$ oz..... .10
- 3343 **Double Orange.** Bright orange, flowers good size and perfectly double. 25c per $\frac{1}{4}$ oz..... .10
- 3345 **French Dwarf Double Mixed.** A choice mixture of many double sorts. 30c per $\frac{1}{2}$ oz..... .10
- 3350 **Tall, Double. Mixed.** 30c per $\frac{1}{2}$ oz..... .10

GERMAIN'S

Los Angeles - - - Since 1871

Mathiola

(Night Scented Stock)

- 3354 **Bicornis.** A delightful free flowering annual $\frac{1}{2}$ ft. in height. Flowers are purple, not very showy, but are noted for their entrancing fragrance emitted during the evening.....\$.10

Matricaria

(Feverfew)

- 3355 **Capensis Double White.** Free blooming perennial $1\frac{1}{2}$ ft. high, desirable for bedding, pots, etc. 30c per $\frac{1}{2}$ oz..... .10
- 3357 **Golden Ball.** Very handsome double button shaped blossoms of deep chrome yellow. 1 foot. The feverfews are very pleasing cut flowers of exceptional keeping quality.15

Mesembryanthemums

(Fig Marigold)

- 3368 **Crystallinum (Ice Plant).** Annual of trailing habit producing attractive white flowers. Leaves are coated as if with ice. 25c per $\frac{1}{2}$ oz..... .10
- 3369 **Tricolor Mixed (Dew Plant).** Valuable trailing, fleshy leaved plants for rock work, dry banks, etc.; annual. Colors lavender, rose, etc. The ice plants thrive in hot sunny places and sandy soils. 45c per $\frac{1}{4}$ oz..... .10

Mignonette

(Reseda)

Mignonette should be sown at intervals throughout the year. It thrives in ordinary garden soil and may be potted for winter use in colder sections. Through its exquisite fragrance this well known favorite has maintained a universal popularity and no garden seems complete without it.

PER PKT.

- 3376 **Germain's Triumph.** A superb variety with individual florets of remarkable size borne on spikes 12 to 15 inches long and very sweetly scented. 50c per $\frac{1}{4}$ oz...\$.15
- 3375 **Machet Improved.** Compact growth, numerous light colored spikes and fragrant. 40c per $\frac{1}{4}$ oz..... .10
- 3371 **Red Goliath.** Very large spikes of a pronounced red shade. 50c per $\frac{1}{4}$ oz..... .15
- 3372 **White Goliath.** Great spikes with large florets giving a decided white appearance to the massive flowers. 50c per $\frac{1}{4}$ oz..... .15
- 3380 **Sweet Mignonette (Reseda Odorata).** The old-fashioned favorite, very sweetly scented. 30c per oz... .10
- Collection of one packet each of the five sorts for 60c.

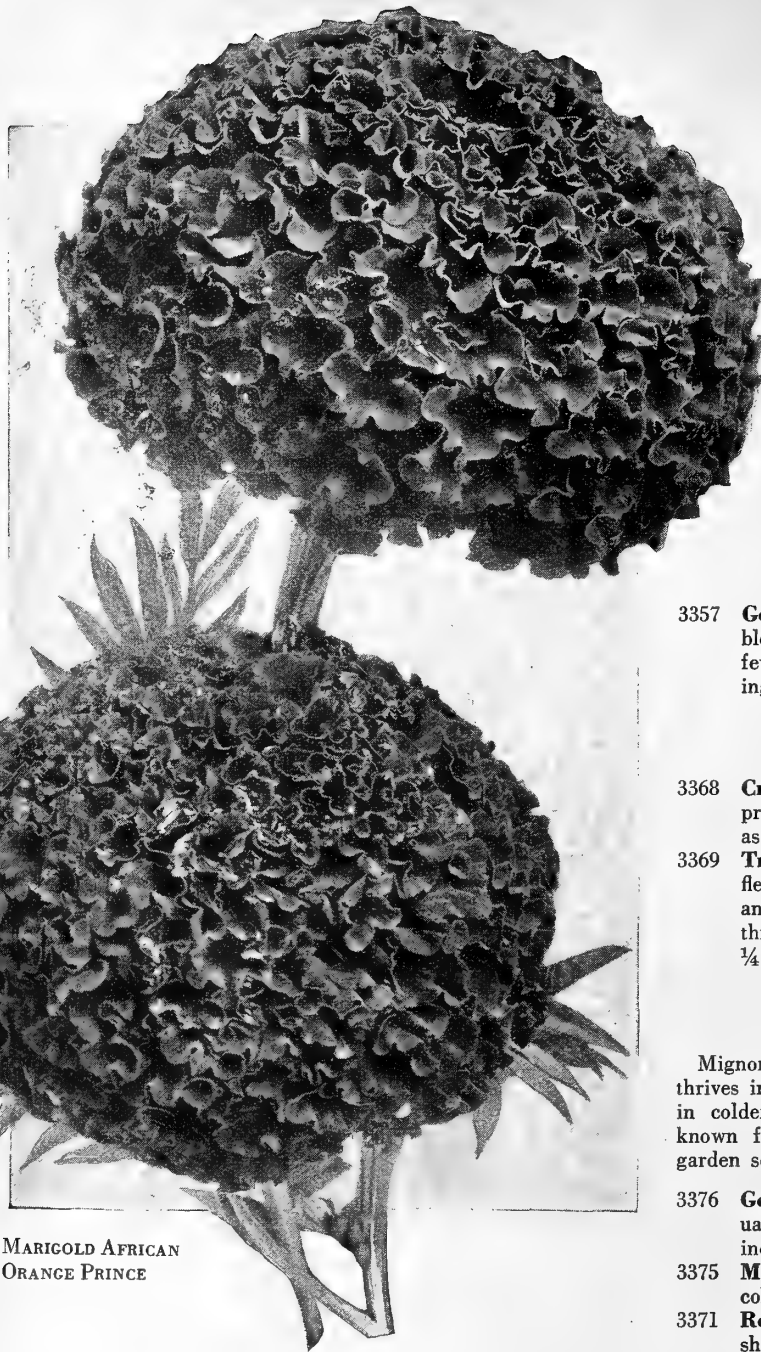
Mimulus

(Monkey Flower)

Brilliant perennials for bedding in partial shade or pot culture. They bloom the first year if started early. The seed is fine and should be sown in seed pans and very lightly covered. Height $1\frac{1}{2}$ feet.

PER PKT.

- 3383 **Cardinalis (Scarlet Monkey Flower).** Rich dark red. 2 pkts. for 25c..... .15
- 3385 **Tigrinus Grandiflorus.** Superb spotted and tigered strain, large flowered. Mixed. 2 pkt. for 25c..... .15
- 3384 **Moschatus (Musk Plant).** Small yellow flowers, attractive for pots or baskets. Foliage musk scented. 2 for 25c..... .15



MARIGOLD AFRICAN
ORANGE PRINCE

Choice African Marigolds

PER PKT.

- 3335 **Orange Prince.** Large, perfectly double quilled flowers of a rich deep golden orange. The largest and most showy of them all. 50c per $\frac{1}{4}$ oz..... .15
- 3334 **Lemon Queen.** Almost an exact counterpart of Orange Prince, except in color which is a most pleasing even lemon yellow. 50c per $\frac{1}{4}$ oz..... .15
- 3340 **Choicest Double African Mixed.** Contains many shades of orange and yellow 2 to 3 ft. 40c per $\frac{1}{2}$ oz... .10
- 3347 **Australian Giant or Grendon Tree Marigold.** Flowers not unlike the French, but bushes reach a height of several feet. $\frac{1}{4}$ oz.:40c..... .15

Marvel of Peru

(Four O'Clock)

- 3352 A handsome and well known garden favorite. Extremely free flowering and succeeding everywhere. Perennial 2 ft. Finest mixed colors. 30c per oz..... .10

SEEDS

California's Best

Mimosa

(Sensitive Plant)

- 3382 **Pudica.** Very curious and interesting plant with "sensitive" foliage which droops and closes when touched or shaken. Flowers light pink. Perennial, 2 ft.10

Myosotis

(Forget-me-not)

Handsome spring flowering perennial flowers well known and admired by everyone. They succeed best in a moist shady location. Sow in fall in seed boxes and transplant.

- | | | |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| 3393 | Alpestris Blue. Rich blue, floriferous and effective; 9 inches. 45c per 1/4 oz. | PER PKT.
\$.10 |
| 3396 | Victoria. Very bushy and compact with large heads of clean, azure blue flowers. | .15 |
| 3400 | Alpestris Mixed. Many shades of blue, rose and white. 45c per 1/4 oz. | .10 |
| 3403 | Palustris Semperflorens (Marsh Forget-me-not). An ever blooming strain producing numerous sprays of clear blue flowers practically all summer. 2 pkts. for 25c. | .15 |
| 3402 | Dissitiflora. Large flowered dwarf variety, bright blue. 2 pkts. for 25c. | .15 |

NASTURTIIUMS

For color, length of bloom, ease of culture and general usefulness in the flower garden the nasturtium has no equal. Where winters are mild as in Southern California Nasturtiums may be sown practically any time and within a few weeks the brilliantly colored flowers begin to appear, continuing in bloom the entire season. They are usually sown where they are to bloom and the seed is covered about 1 inch with soil. Nasturtium flowers used in shallow bowls, much as one would pansies, make a delightful table decoration. In some countries the leaves are eaten in salads and, here, they are given as greens to cage birds; canaries especially relish them. The green seed pods are often used for pickling.

Dwarf Sorts or Tom Thumb Nasturtiums

- | | | |
|---------------------------------------------------------|------------------------------------------------------------------|-----------------|
| 3432 | Bronze. Deep bronze yellow. | |
| 3436 | Empress of India. Crimson with dark foliage. | |
| 3437 | Golden King. Rich golden yellow. | |
| 3438 | King of Tom Thumbs. Deep rich scarlet with dark foliage. | |
| 3439 | King Theodore. Dark maroon red, dark-leaved. | |
| 3441 | Lady-Bird. Golden yellow marked and spotted with crimson. | |
| 3442 | Pearl. Cream white. | |
| 3443 | Prince Henry. Cream marked and blotched red. | |
| 3445 | Rose. A beautiful soft rose. | |
| 3448 | Salmon Queen or Vesuvius. Deep Salmon. | |
| Price: Any of the above 25c per oz.; 10c per pkt. | | |
| Collection of one packet each of the ten sorts for 75c. | | |
| 3450 | Large Flowering Dwarf Mixed. All shades. | PER PKT.
15c |
| | per oz. | \$.10 |



SCABIOSA CAUCASICA

Giants of California Nasturtiums

Properly supported, Nasturtiums of the giant strain quickly grow to a height of eight feet or more. They make good screens, cover lattices and fences and may be used as creepers on banks, rockwork or any unsightly bare space in the landscape.

- | | |
|------|-----------------------------------------------------------------------------------|
| 3405 | Butterfly. Bright yellow spotted with delicate salmon. |
| 3406 | Chameleon. Produces flowers of several different shades on the same plant. |
| 3407 | Dark Crimson. Rich red. |
| 3408 | Edward Otto. A unique shade of brownish lilac. |
| 3411 | King Theodore. Maroon red with dark purple green foliage. |
| 3412 | Dunnett's Orange. Bright orange yellow. |
| 3413 | Pearl or Moonlight. Creamy White. |
| 3417 | Schultzii. Large bright scarlet. |
| 3418 | Vesuvius. A very pleasing shade of Salmon rose. |
| 3419 | Yellow. Rich canary yellow. |

Price: All the above varieties 20c per oz.; 10c per pkt.

Collection of one packet each of the ten sorts for 75c.

- | | | |
|------|------------------------------------------------------------------------------------------|--------------------|
| 3420 | Tall Giants of California Mixed. A wonderful mixture of giants sorts. 15c per oz. | PER PKT.
\$.10 |
| 3422 | Ivy Leaved Mixed. Leaves prettily veined. 20c per oz. | .10 |



PETUNIA RUFFED GIANT

GERMAIN'S

Los Angeles - - - - Since 1871

Penstemon

Lovely perennials for beds, borders, etc., growing 2 or 3 feet high. Continuously in bloom, the bushy plants being a mass of flower spikes closely set with Gloxinia-like flowers in all shades of red, rose, salmon, lavender and purple. Sow the seed in fall or in the early spring in seed pans or boxes and transplant when large enough to handle.

- 3569 **Hartwegi Grandiflorus Mixed.** ^{PER PKT.} Superb large flowers beautifully marked and spotted. 1/16 oz. for 50c.....\$.25
- 3570 **Finest Mixed.** Choice mixture of many shades; tall and large flowered. 1/16 oz. for 30c15

Perilla

- 3574 **Nankinensis.** Annual foliage plant about 2 feet high with highly ornamental dark purple leaves. ¼ oz. 30..... .10

Physalis

(Chinese Lantern)

- 3644 **Franchetti.** Attractive and interesting perennial, flowering the first season from seed. Especially popular for its lantern-like fruits which can be cut and dried for winter use. ⅓ oz. 30c..... .10

Platycodon

(Chinese Bellflower)

- 3608 **Grandiflora Mixed.** Very desirable perennials for the hardy border. Flowers in shades of blue and white. Seed sown in April usually produces blooming plants in August. ⅓ oz. for 40c..... .10

Nemesia

- 3460 **Grandiflora Suttoni.** A very pretty and effective annual 1 ft. high, used for beds and low borders and edging. The flowers are not unlike a miniature Snapdragon and appear in shades of rose, yellow, orange, blue, etc. ⅓ oz. 75c..... .25

Nicotiana

- 3467 **Affinis (Tuberosc-flowered Tobacco).** Free flowering annuals with deliciously scented tubular white flowers, growing 2 to 3 ft. in height. 30c per ½ oz..... .10
- 3470 **Sanderac Hybrids.** Large flowering hybrids. Very showy, in a great variety of colors. 30c per ¼ oz..... .10

Nierembergia

- 3471 **Calycina (Gracilis).** Graceful perennials 1 to 1½ ft. used for hanging baskets, rock work or bedding. Flowers lavender.15

Nigella

(Love-in-a-Mist)

- 3475 **Damascena Double Mixed.** Compact free-flowering annuals with finely cut foliage and curiously formed flowers and seed pods. Easily grown anywhere from seed sown in the open in the spring. 25c per ¼ oz..... .10
- 3473 **Miss Jekyll.** A distinct and lovely sort with rich cornflower blue flowers, good for cutting. 18 inches. 25c per ¼ oz..... .10

Pansy Culture

The seeds should be sown preferably in the early fall in seed boxes or a seed bed of prepared soil. A mixture of one part each loam, sand and well rotted manure, all well sifted and thoroughly mixed, is best. Press this down well and scatter the seed evenly over the surface. Then cover with not more than ⅓ inch of the same soil and again press down the surface. Place a piece of burlap over the bed and keep well watered for 10 or 12 days. Then remove the cloth, tack it to a frame and replace it over the bed, this time keeping it a few inches above the surface by means of small posts or other support. After a week or so keep the frame in place during the hottest part of the day only and a few days later discard it entirely.

When large enough to handle conveniently, transplant the young seedlings to their permanent location. In preparing the soil for their reception be sure to spade it well and to incorporate at the same time a liberal amount of well-shredded rotted manure. Really good pansies cannot be obtained unless an adequate quantity of fertilizer is used. After planting cover the soil with a layer of well rotted and sifted manure, this acts as food and mulch combined. Water regularly in dry weather.

Pansies may also be started later in April or May for summer blooming and will do well in sun or partial shade.

SEEDS

California's Best

Pansies

Pansies are such universal favorites and they are so well beloved by all who take an interest in gardens that a little special care in growing them will be well repaid by the admiration of your friends and satisfaction to yourself.

First of all a good strain must be used—that is all important. The best pansies are shy seeders, which explains the relatively high cost of better pansy seeds. But this small increase in price will seem very insignificant when the results are seen.

Germain's Superb Giant Prize Pansies

- 3485 **Adonis.** Light Blue.
 - 3493 **Golden Queen.** Pure Golden Yellow.
 - 3489 **Emperor.** Rich Cornflower blue.
 - 3490 **Cardinal.** Brilliant deep scarlet.
 - 3509 **Snow Queen.** Glistening pure white.
 - 3536 **Germain's Giant Prize Mixture.** Containing a full selection of all giant flowered varieties in plain colors and the fancy blotched and shaded sorts. A strain unexcelled for beauty and variety of color. $\frac{1}{8}$ oz. for \$1.25.
Price: *Any of the Giant Prize sorts 25c per pkt.*
- Giant Prize Collection: One packet each of the six sorts for \$1.00.

Giant Exhibition Pansies

- 3488 **Giant Bridesmaid.** Delicate blush and rose.
- 3494 **Giant Hortensia.** Hortensia red with dark eye.
- 3497 **Giant Lord Beaconsfield.** Upper petals light lavender shading to deep purple at the lower part of the flower.
- 3499 **Giant Madame Perret.** Exquisite wine shades on white ground.
- 3501 **Giant Peacock.** Superb Peacock blue with various shadings.
- 3502 **Giant Prince Bismarck.** Light brown.
- 3491 **Giant Royal Purple.** Velvety deep purple.
- 3496 **Giant King of the Blacks.** Velvety black.
- 3506 **Giant St. Knud.** Bright orange.
- 3510 **Giant Comet.** Novel flower, white ground with blue rays.

Price: *Any of the above varieties 25c per pkt.*

Collection: One packet each of the ten Giant Exhibition Pansies for \$2.00

Large Flowering Trimardeau Varieties

A very fine and well known strain producing flowers of large size in many bright and attractive colors. Their exceptionally free blooming habit makes them universally popular for bedding.

- | | |
|----------------------------|--------------------------------------|
| 3515 Light Blue. | 3527 Blood Red (Victoria). |
| 3532 Golden Yellow. | 3523 Lavender and Blue. |
| 3518 Royal Blue. | 3529 White with Black Center. |
| 3519 Gold Margined. | |

Price: *Any of the above varieties 10c per pkt.*

Collection of one packet each of the 8 Trimardeau Pansies for 65c



Germain Superb Pansy Strains in Mixture

- | | PER PKT. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 3538 Germain's New American Giants Mixed. Enormous flowers freely produced on exceptionally robust, stocky plants of upright habit. The supremacy of this magnificent new American strain lies not only in the astonishing size of the blooms but in the extraordinary vigor and bearing of the plants, while in richness of coloring they rival all existing strains..... | \$1.00 |
| 3543 Germain's Miracle Mixed. A florist's strain of surpassing merit. Flowers of the very largest size on long stems excellent for cutting. Colors rich and varied. 1/16 oz. for \$1.50..... | .50 |
| 3546 Masterpiece (Frilled or Ruffled Pansies Mixed). A beautiful and unique type. Large flowers in all the richest colors; the waved petals frequently giving them the appearance of double Pansies. $\frac{1}{8}$ oz. for \$1.00.... | .25 |
| 3550 Giant Trimardeau. Fine strain of large French Pansies containing many blotched and stained varieties. $\frac{1}{8}$ oz. for 50c..... | .10 |
| 3542 English Mixed. The old "Faced Pansy" still very popular. $\frac{1}{8}$ oz. for 60c..... | .15 |
| 3540 Choice Many Sorts Mixed. A mixture made up of various strains and containing a wide range of colors. $\frac{1}{4}$ oz. for 60c..... | .10 |



PETUNIA
DOUBLE MIXED

PETUNIA

The seed may be started indoors early in the year in seed boxes and later transplanted or sown out of doors in the spring. Cover very lightly and apply water with a fine spray. Be careful not to discard the smaller and weaker seedlings. From these the finest flowers are often obtained; the coarse growing plants frequently reverting to the common types.

Giant Flowered Ruffled and Fringed

- 3591 **Elks' Pride.** Very large frilled deep purple.
- 3592 **Miranda.** Beautiful ruffled large deep carmine.
- 3593 **Pride of Portland.** Bright rose pink, ruffled and frilled.
- 3585 **Potland Beauty.** Lovely deep crimson with dark throat and distinctly veined.
- 3597 **Scarlet Beauty.** Large fringed, showy bright scarlet.
- 3589 **Theodosia.** Beautiful pink petunia. Very large frilled. Throat yellow, penciled.

Price. *Any of the above 50c per pkt.*

Collection: One packet each of the above colors for \$2.25

- 3598 **Germain's Ruffled Monsters.** Extra large, heavily ruffled and fluted flowers in the greatest variety of colors; a distinct yellow throat often marked and veined lends greater depth to this marvelous strain.....\$.35
- 3602 **Ruffled Giants of California.** A justly celebrated strain. Enormous ruffled and frilled blossoms in a surprising range of brilliant colors. 1/64 oz. for \$1.50.... .25

GERMAIN'S

Los Angeles - - - - Since 1881

Superb Double Flowering Petunias

- 3606 **Extra Large Double Fringed Mixed.** An unrivalled strain, producing a large percentage of perfectly double, fringed flowers of the largest size and in all the best shades50
- 3604 **Extra Select Plain Double Mixed.** A superb mixture of very double, plain petal varieties, producing large flowers in many beautiful colors..... .35

Large Single Bedding Petunias

- 3577 **Brilliant Rose.** 3579 **Dark Violet Blue.**
- 3576 **Crimson Red.** 3580 **Pure White.**
- 3594 **Howard's Star.** Crimson with five-pointed white star.
Price of the above 1/8 oz. for 50c; 15c per pkt.
- 3599 **Germain's Select Bedding Mixed.** A remarkably fine large flowered strain in well-balance mixture of bright and delicate shades. Recommended for beds and borders where abundant bloom and variety of color is desired. 1/4 oz. for 75c.....\$.15
- 3600 **Good Single Mixed.** A vigorous strain, easily grown anywhere. Many bright and attractive colors. 1/4 oz. for 45c.10

Dwarf Border Petunias

Excellent material for edging and low ribbon borders. Compact low bushes of very free flowering habit.

- 3584 **Rosy Morn.** Very popular delicate rose variety.
- 3587 **Silver Blue.** Pleasing light Silvery blue.
- 3583 **Nana Violacea.** Dwarf deep Violet.
- 3581 **Snowball.** The compact bushes are completely covered with innumerable snow white flowers.

Price: *The above varieties 1/8 oz. 60c; 10c per pkt.*

Poinciana

(Fence Flower)

- 3611 **Gilliesii.** This beautiful dwarf shrub is sometimes referred to as "Bird of Paradise"; this name is also applied (and with better authority) to *Strelitzia Regia*, a plant which it in no way resembles. The Poinciana blossoms in one year from seed, the flowers are yellow with bright red protruding stamens several inches in length. 1/4 oz. 45c..... .25

Polyanthus

(*Primula Elatior*)

Charming early flowering perennials of the primrose family. The flowers attain a height of 8 or 10 inches and are very brightly colored in shades of red, rose and yellow. Sow the seed in boxes in spring and transplant.

- 3646 **Superb Large Flowered Mixed.** A splendid strain; all the richest shades in gold laced and plain colors.....\$.25
- 3647 **Choice Mixed.** A very fine mixture of good size and brilliant colors.10

SEEDS

California's Best

Phlox Drummondii

(Texan Pride)

A valuable and showy annual highly esteemed for bedding, for massing and for borders. The plants grow about one foot high, thrive in practically any soil if given a sunny location and bloom the entire season. Seed may be started in boxes and transplanted or sown in the open in spring.

- | | |
|----------------------|---------------------------------------------------------------------------------------|
| 3621 Bright Scarlet. | 3632 Choice Large Flowered Mixed. |
| 3622 Chamois Rose. | 3636 Cuspidata Mixed (Star Phlox). A distinct strain with pretty star shaped flowers. |
| 3623 Rose Pink. | |
| 3626 Pure White. | |

Price: Any of the above $\frac{1}{4}$ oz. 60c; per pkt. 10c.

Phlox Decussata

(Perennial Phlox)

- 3640 Handsome herbaceous perennial, a favorite for the hardy border. Flowers are large, brilliant and freely produced on stems 2 to 3 feet high. Sow seeds in seed boxes during the fall and transplant. Price: $\frac{1}{8}$ oz. 60c. PER PKT. \$.25

Portulaca

(Sun Plant or Rose Moss)

Brilliantly colored and effective low bedding plant, about 6 inches high and with fine foliage giving a mossy effect. Annual, very free blooming and delights in sunny situation. Sow the seeds very shallow in the open in spring and deep moist, a light loamy soil is best.

Single Varieties

- | | |
|---------------------|----------------------|
| 3703 Rich Crimson. | 3705 Bright Scarlet. |
| 3704 Soft Pink. | 3706 Pure White. |
| 3707 Golden Yellow. | |

Price of any of the above varieties 10c per pkt.; $\frac{1}{8}$ oz. 35c.

- 3710 **Finest Single Mixed.** Including all shades of red, rose, yellow and white. $\frac{1}{4}$ oz. for 45c. PER PKT. \$.10

Double Varieties

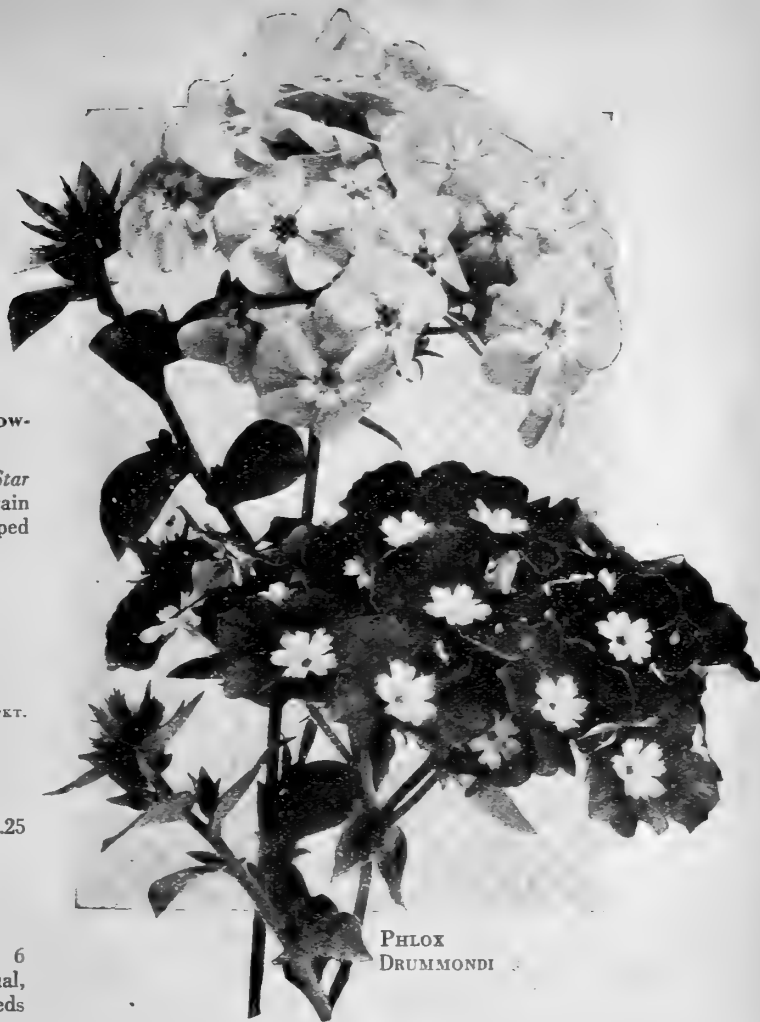
- | | |
|---------------------|----------------------|
| 3713 Double Golden. | 3716 Double Scarlet. |
| 3714 Double Pink. | 3717 Double White. |

Price of the above per pkt. 25c; 5 pkts. for \$1.00

- 3720 **Choice Double Mixed.** A superb strain containing many fine shades and a large percentage of doubles. $\frac{1}{8}$ oz. 75c. PER PKT. \$.15

Pyrethrum

- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| 3755 Roseum Single Mixed. Perennial 2 feet high, with large Marguerite-like flowers and fine fern-like foliage. Graceful and long lasting cut flowers. $\frac{1}{8}$ oz. 40c. | .10 |
| 3753 Roseum Double Mixed. Beautiful double hybrid strain. 5 pkts. for \$1.00. | .25 |
| 3752 Parthenifolium Aureum. The popular "Golden Feather," much used for low borders and edging; 1 foot. $\frac{1}{2}$ oz. 45c | .10 |



PHLOX
DRUMMONDI

Primula

(Primrose)

All strains of this early flowering perennial are very beautiful. Several, such as Obconica, Malacoides and the English Primrose may be grown in the open in California. The Chinese Primroses are splendid pot plants for indoor culture. Sow the seed in August or September in seed pans of rich loam mixed with sand, cover the seed very lightly and keep in greenhouse or frame. 9 inches.

FRINGED CHINESE PRIMROSES

- | | |
|----------------------------------|------------------------------------|
| 3731 Aurora. Delicate Rose. | 3734 Marquis of Lorne. Rose. |
| 3732 Coerulea. Blue. | |
| 3733 Crimson King. Rich Crimson. | 3736 Princess Louise. Flesh White. |

Price: Per pkt., 35c; 3 pkts for \$1.00

- 3740 **Superb Fringed Mixed.** Containing all shades from white and rose to deep crimson. Flowers very large and prettily fringed. 5 pkts. for \$1.00. PER PKT. \$.25
- 3730 **Obconica Gigantea.** Very free flowering and of easy culture. Sow in fall or early spring in seed pan, using porous loam, but avoid peat or leaf mold. Keep indoors or in greenhouse. The flowers are large and showy in shades of red, rose, soft pink and white. 5 pkts. for \$1.00. .25
- 3744 **Malacoides (The Baby Primrose).** A great favorite both for in and out-door culture in mild climates. Blossoms in clusters of numerous minute pale blue flowers, about one foot high. $\frac{1}{32}$ oz. \$1.20. .25
- 3749 **Vulgaris (English Primrose).** Old favorite, canary yellow .15

GERMAIN'S

Los Angeles - - - - Since 1871

Poppies

Well known favorites of the easiest culture. Invaluable for the annual flower section of any garden. The plants grow 2 to 3 feet high producing freely over a long period lovely, broad petaled flowers of delicate satiny texture and in the most exquisite shades. Sow in fall or early spring, cover very lightly and press firm. Plant them where they are to bloom as they do not transplant readily and when large enough thin them out to stand about 6 inches apart.

Single Annual Varieties

- 3651 **Admiral.** Large single white with broad scarlet edge. Oz. 50c.
 3652 **Danebrog. (Danish Cross).** Bright Scarlet with a white cross in center. Oz. 45c.
 3654 **Miss Sherwood.** White shading to chamois rose. Oz. 45c.
 3661 **Tulip or Flanders Poppy.** Vivid Scarlet. Per ½ oz. 45c.
 3658 **Shirley Rose Pink.** A very beautiful delicate rose shade, exquisite large flowers per ½ oz. 40c.
 3656 **American Legion.** A greatly improved variety of the true Flanders Poppy. Dazzling Orange Scarlet. ½ oz. 30c.
 Collection: One pkt. each of the above 6 sorts, 45c.
 3670 **Single Varieties Mixed.** Per oz. 40c.

Price: Any of the above 10c per pkt.

Germain's Improved Shirley Poppies

- 3665 Germain's Improved strain of this lovely type includes an almost endless variety of delicate pink, Salmon and Chamois shades deepening through old rose and soft red to terra cotta, many of the flowers being also suffused with a second shade giving an exquisite two-tone effect, while others still are edged or striped and hardly two flowers can be found exactly alike. ½ oz. 30c. 10

Double Annual Poppies

The double annual Poppies produce enormous fully double flowers 3 to 4 inches across and are valuable for cutting as well as splendid garden subjects. 3 feet.

- 3674 **Bright Rose.** 3653 **Mikado.** Red and White striped.
 3676 **Cherry Red.** 3680 **Carnation Flowered Mixed.**
 3677 **White Swan.**

Price: Any of the above per oz. 40c; pkt. 10c.

Collection of the five sorts for 40c

- 3681 **Peony-Flowered Mixed.** Large, showy, double Globular Peony-like flowers. Per oz. 40c. PER PKT. \$.10

Double Shirley or Eldorado Poppies

The Shirley poppies are especially noted for their graceful habit and the delicacy and charm of their lovely flowers. These new double forms are a valuable addition to this brilliant strain.

- 3683 **Double Eldorado.** Salmon. PER PKT. \$.25
 3682 **Double Eldorado.** Pink.25
 3685 **Double Eldorado.** Mixed. Many beautiful shades. ¼ oz. 35c.25
 3688 **New Shirley Double Queen (Ranunculus Flowered Shirley).** A beautiful strain rich in vivid colors. ¼ oz. 50c.25



SHIRLEY
POPPIES

Iceland Poppy

(Papaver Nudicaule)

Graceful hardy perennials with bright green fern-like foliage, formed in tufts, from which issue slender stalks about 15 inches high bearing brilliant flowers in endless profusion. If sown early in spring they will bloom the first summer. They may be started in seed pans or in the open and thinned or transplanted. Seed pods should be removed regularly to prolong the blooming period

- 3696 **Orange Scarlet.**.....\$.10 3700 **Iceland Poppies**
 3697 **Pure White**10 **Mixed.** Per ¼ oz.
 3698 **Bright Yellow.**..... .10 60c10

- 3701 **Iceland Sunbeams.** A remarkable new strain of Iceland Poppies with fine new shades, longer stems and of excellent keeping quality. Very desirable for cutting. 5 pkts. for \$1.00.25

- 3689 **Bracteatum (Tournesort Poppy).** A perennial of strong growth, 3 feet in height, bearing large showy flowers of rich crimson. ¼ oz. 45c.10

Perennial Oriental Poppies

Perennials 3 to 4 feet high with stout leafy stems bearing very large richly colored flowers with dark centers. Sow the seeds in spring or early fall in boxes or in the open and later transplant to 18 inches apart.

- 3691 **Orientele Dark Red.** ¼ oz. 50c.\$.10
 3695 **Orientele New Hybrids Mixed.** Immense showy flowers in rich and vivid shades. ¼ oz. 60c.25

SEEDS

California's Best

Ranunculus

- 3757 **Germain's Giant French Mixed.** Beautiful Perennial, 12 to 15 inches high, bearing in spring quantities of double and semi-double flowers in all shades of red, rose, orange and yellow. Excellent cut flower. If sown early they bloom the first season. $\frac{1}{4}$ oz. 50c..... .10

Ricinus

(Castor Bean)

Large leaved perennial of rapid growth, reaching 6 to 8 feet in height the first season. Ornamental Castor Beans are ideal for backgrounds or wherever a quick tall and bushy growth is desired. The leaves are very large, fan-shaped, and dark in color. They grow easily from seed in any soil and require very little attention but will not stand frost.

- 3759 **Cambodgiensis.** Dark stems and highly colored leaves. oz. 45c..... PER PKT. \$.10
- 3761 **Sanguineus.** Blood red stems, bronze leaves and red fruit clusters; oz. 40c..... .10
- 3762 **Zanzibariensis.** Very large leaves. The plants grow to great size and appear in various shades of red and bronze green; oz. 30c..... .10

Rudbeckia

(Cone Flower)

- 3776 **Bicolor Superba Semi-plena.** Attractive annual, 2 to 3 feet, bearing masses of semi-double Golden Yellow flowers very useful for cutting; $\frac{1}{4}$ oz. 30c..... .10

Salpiglossis

Sun-loving, velvet-petaled annual $2\frac{1}{2}$ feet in height. The richly colored, trumpet shaped flowers are produced in the greatest profusion throughout the season and are magnificent for summer bedding in sunny locations. The plants are easily grown from seed sown in the open in spring or earlier in boxes and transplanted. Space about 1 foot. Splendid for cutting.

- | | |
|----------------------------------------------------|---------------------------------------------------|
| 3778 Chamois. | 3782 Deep Maroon. |
| 3779 Crimson, veined with gold. | 3784 Rose, veined with gold. |
| 3783 Purple, netted and penciled with gold. | 3786 White, veined and penciled with gold. |
| | 3787 Golden Yellow. |

Price: *Any of the above* $\frac{1}{8}$ oz. 30c; *per pkt.* 10c
Collection: One packet each of the seven colors for 50c

- 3788 **Germain's Gloxinia Flowered Mixed.** All shades beautifully veined and mottled. $\frac{1}{8}$ oz. 35c..... PER PKT. \$.10

Saponaria

(Bouncing Bet)

- 3799 **Multiflora (Calabrica).** Pretty annual, 9 inches high, bearing star-shaped flowers in shades of pink and white, valuable for bedding, rockwork, etc. $\frac{1}{2}$ oz. 45c .10

Sanvitalia

(Trailing Sunflower)

- 3797 **Procumbens Fl. Pl.** Free blooming trailing plants for beds, rockeries, etc. Very double, golden yellow.... .10



SALPIGLOSSIS

Salvia

(Flowering Sage)

Brilliant subjects for summer bedding and border planting, flowering freely throughout the season. Although perennial they bloom quickly from seed. Sow early indoors or in hot bed and transplant in spring or may be sown out doors in April or May and thinned to 15 inches apart. An open sunny location is best but succeeds also in partial shade.

- 3792 **Splendens (Scarlet Sage).** Bright fiery scarlet, one of the most effective and showy of all bedding plants. 2 feet PER PKT. \$.10
- 3793 **Bonfire.** Similar to the above but more compact and bushy, $1\frac{1}{2}$ feet..... .10
- 3795 **Farinacea.** Bright light blue. A fine border perennial $3\frac{1}{2}$ feet tall..... .15
- 3794 **Patens.** Navy blue. Splendid species for permanent border where heavy frost is not feared. $2\frac{1}{2}$ feet..... .25

Santolina

(Lavender Cotton)

- 3796 **Chamoecyparissus.** A useful low growing perennial with silvery foliage suitable for edgings and low borders, usually clipped in formal style. $\frac{1}{4}$ oz. 45c..... .10

GERMAIN'S

Los Angeles - - - - Since 1871



SCABIOSA

Scabiosa

(Sweet Scabious or Mourning Bride)

Sweet Scabious also known as "pincushion flower" is a well known favorite and one of the best of the "old fashioned" flowers. In its present-day form it ranks with our most valuable garden annuals. The flowers are large, fully double, sweet scented, very freely produced and splendid for cutting. The plants attain a height of 2 to 3 feet and are easily grown in any ordinary soil. Sow in boxes and transplant or in the open in spring.

- 3805 **Azure Fairy.** Clear lavender blue.
- 3806 **Cherry Red.** Bright cerise red.
- 3812 **Maroon.** Velvety dark purple-red.
- 3813 **Bright Rose.** Brilliant rose-pink.
- 3814 **Snowball.** Pure white.
- 3820 **Choice Mixed.** Containing all shades.

Price: *All the above varieties, per pkt. 10c; ¼ oz. 25c*
Collection: One packet each of 5 colors, 40c

- 3824 **Caucasica (Perennial Scabious).** Soft lavender blue. one of the most beautiful of hardy perennials, especially esteemed for cutting; 5 packets for \$1.00.....PER PKT. \$.25
- 3822 **Isaac House Giant Hybrids.** A wonderful new strain of perennial Scabiosa. Flowers exceptionally large and appearing in many beautiful shades of lavender blue. 3 pkts. \$1.00..... .35
- 3803 **Columbaria Pink Enchantress.** This lovely pink shade is something entirely new in a perennial Scabiosa. The flowers measure from two to three inches across. They are shaped like the caucasica type and their keeping quality is excellent..... .25
- 3804 **Columbaria Lavender.** A delicate and pleasing lavender blue..... .25

Solanum

- 3838 **Capsicastrum (Jerusalem Cherry).** Dwarf, compact shrub-like perennial. A very popular pot plant for winter decoration and especially admired for its bright orange berries. ¼ oz. 25c..... .10

Schizanthus

(Butterfly or Fringe Flower)

This exquisite flower has long been cultivated and admired as a pot plant in England and other parts of Europe. It is very valuable here too for this purpose and makes a delightful house or conservatory plant during the winter and early spring, but it is as an out-door summer plant that it has gained its greatest popularity in America. The seed may be sown in seed boxes and transplanted or in the open in spring where it germinates quickly; coming into bloom in a few weeks from sowing. 1½ to 2 feet.

- 3827 **Extra Select Large-flowered Mixed.** A wonderful strain, forming well branched bushes 2 feet high and covered with innumerable blossoms in the choicest variety of colors. 5 pkts. for \$1.00.....PER PKT. \$.25
- 3828 **Wisetonensis Mixed.** Many splendid shades, long and profusely blooming plants with dainty finely cut, fern-like foliage. 1½ to 2 feet high. ¼ oz. 65c..... .15
- 3830 **Choice Mixed.** Excellent strain in many fine shades. ½ oz. 40c..... .10

Silene

(Campion, Catchfly)

- 3833 **Armeria (Catchfly).** Strong growing annual, 1 to 1½ feet high, with large heads of intense rosy red flowers which are spice-scented. Good for cutting. ½ oz. 30c..... .10
- 3834 **Pendula Flore Pleno.** Flowers fully double, bright rose, borne in great profusion on compact plants. 9 inches high. Sown in bulb beds in August or September it makes a handsome carpeting between spring bulbs. For summer blooming sow in March..... .10

Solidago

(Golden Rod)

- 3841 **Canadensis.** Tall growing perennial, very useful for background or high screen plantings. 5 to 6 feet. produces in the fall a profusion of tall golden sprays very desirable for cutting. ½ oz. 30c..... .10

Stevia

Pretty annuals about 2 feet in height bearing dense sprays of tiny flowers, very decorative for mixing with other flowers.

- 3845 **Serrata.** Pure white flowers, ⅛ oz. 65c..... \$.15
- 3843 **Purpurea.** Purple flowers, ⅛ oz. 45c..... .15

Streptocarpus

Well known greenhouse plants of the old world which, however, are quite successful in the open ground during the summer in California. Flowering plants are obtained in June or July from seed started in pans or boxes under glass in February or March

- 3850 **Kewensis Mixed.** Large flowered in many bright shades of pink, mauve, crimson and white. The lovely tubular flowers, held well above the foliage, grown 10 to 12 inches in height. 5 pkts. for \$1.00..... \$.25

SEEDS

California's Best

Stocks

Germain's California grown stock seed is unsurpassed in quality anywhere on earth. A series of very rigorous trials has established this fact without question. These strains have obtained the highest honors in England and have been highly commended by the Royal Horticultural Society of Great Britain.

We recommend them unreservedly, knowing that they are superior in point of size, color and percentage of doubles, the flowers frequently appearing over 80 per cent fully double.

Stocks are of inestimable value both for garden and home decoration. For brilliancy and diversity of color, fragrance, profusion and duration of bloom they are unequalled. For winter blooming sow in July and August. Seed sown in February or March will make a splendid display in summer.

Use light well prepared soil in seed pans, cover seed about $\frac{1}{8}$ inch with soil, water carefully and keep shaded until seedlings appear.

Early Giant Imperial Stocks

A superb new strain of early flowering habit, equally successful for winter or summer flowering. The heavily branched plants $2\frac{1}{2}$ feet high bear a profusion of well furnished spikes with very double, fragrant flowers of the largest size.

3875 **Apple Blossom.** Delicate soft pink.

3876 **Fiery Blood Red.** Bright and vivid shade.

3879 **Chamois.** Ivory tinted old rose.

3881 **Dark Blue.** Deep purple blue.

3884 **Lavender.** Lavender blue.

3886 **Deep Rose.** Rich rose pink.

3890 **Early Giant Imperial Mixed.** All colors.

Price: *Any of the above, 5 pkts. for \$1.00; per pkt. 25c*
Collection of one packet each of 6 colors for \$1.25

Giant Winter Nice Stocks

The large double blossoms very freely produced and long stems are of the greatest value for cutting in winter and are grown in quantity by florists for this purpose. They are also admirable in the garden throughout the winter and early spring in California and other states enjoying mild winters or may be flowered in the home or conservatory where rigorous temperatures are expected.

3891 **Aurora.** Rosy chamois. 3899 **Cote d'Azur.** Lavender blue.

3892 **Abundance.** Carmine pink. 3901 **Summer Night.** Dark blue or purple.

3896 **Souvenir de Monaco.** Rich crimson. 3902 **Queen Alexandra.** Rosy lilac.

3897 **Beauty of Nice.** Delicate pink. 3907 **Mont Blanc.** Pure white.

3898 **Belle de Naples.** Old rose. 3908 **Monte Carlo.** Yellow.

3910 **Giant Winter Nice Mixed.**

Price: *Any of the above varieties $\frac{1}{8}$ oz. 60c; per pkt. 15c*
Collection: One packet each of the 10 colors for \$1.25 or six separate colors (our selection) for 75c



Giant Perfection or Cut-and-Come-Again Stocks

Perpetual blooming class especially valuable for summer garden display and the wealth of cut flowers which may be gathered from them over a period of several months. As the flowers are cut they throw out numerous side branches, all bearing very double, exquisitely scented flowers. 2 feet.

3927 **Sapphire.** Dark blue or violet. 3934 **Empress Augusta Victoria.** Silvery lilac.

3929 **Brilliant.** Fiery crimson. 3936 **Princess Alice.** Pure white.

3928 **May Queen.** Delicate lilac blue. 3938 **Creole.** Creamy yellow.

3932 **La France.** Rose. 3940 **Cut and Come Again Mixed.**

Price of the above, $\frac{1}{8}$ oz. 75c; per pkt. 15c
Collection of one packet each of the seven colors, 80c

Large Flowering Ten Week Stocks

Our improved strain of this popular summer stock is especially suited for summer bedding and is also valuable for cutting. The plants attain a height of 12 to 15 inches, are very free flowering and come into bloom quicker than any other type.

3942 **Flesh Color.** 3945 **Bright Rose.**

3943 **Bright Blue.** 3947 **Pure White.**

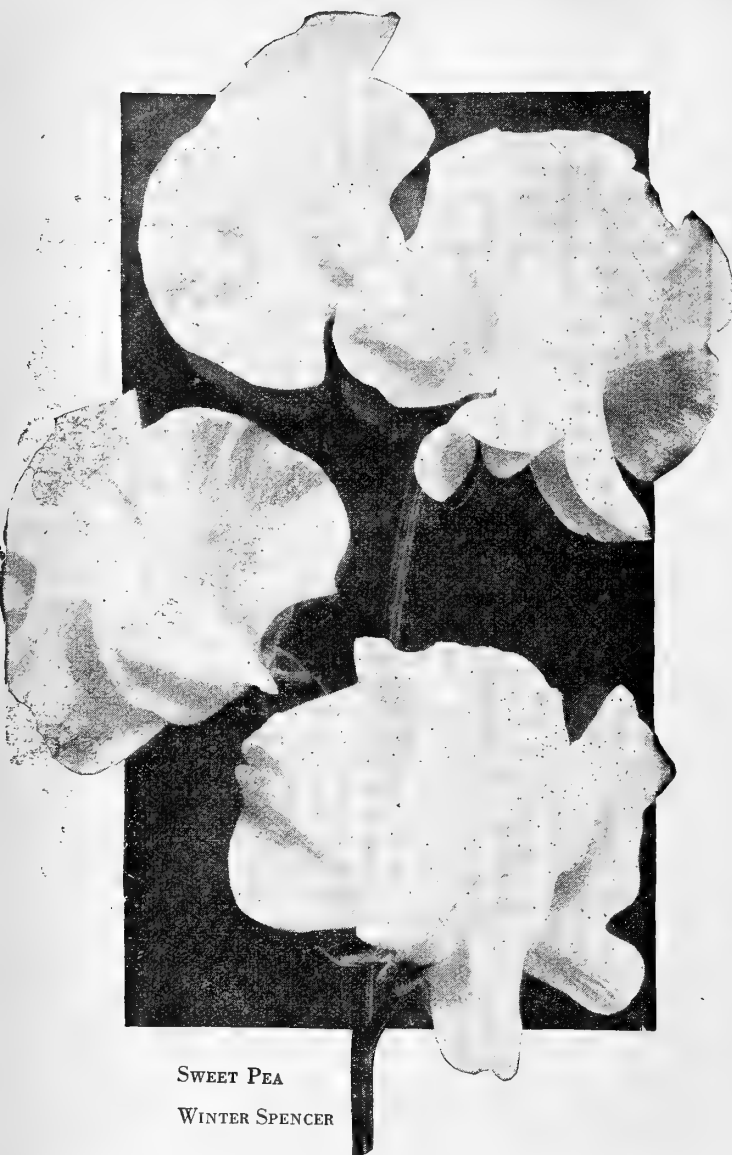
3949 **Blood Red.** 3948 **Yellow.**

3944 **Purple.** 3950 **Finest Mixed.**

Price: $\frac{1}{8}$ oz. 45c; per pkt. 10c

GERMAIN'S

Los Angeles - - - Since 1871



SWEET PEA

WINTER SPENCER

Winter Wonder Collection of Giant Winter Spencer Sweet Peas. Six full-sized packets in choicest shades and one package of plant food tablets (a 75c value) for.....

50c

How to Grow Beautiful Sweet Peas

Sweet peas are deep rooting. The soil where they are to be planted should be dug to a depth of eighteen inches. They are also gross feeders and a liberal amount of fertilizer will insure luxuriant growth and large flowers. Dig the fertilizer well under and see that the soil has settled and is firm before the seeds are planted. This result can be quickly obtained by tamping and watering. The seeds are usually sown in shallow trenches about three inches deep and covered only one or one and one-half inches. The balance of the earth is filled in after the young plants have grown a few inches. In certain heavy soils it is best not to cover the seed more than one inch at any time. Seeds may be spaced one or two inches apart in the trench and the young plants gradually thinned to six inches to prevent crowding.

A support for the vines must be provided early. They require a liberal amount of water. The flowers must be gathered often and should any seed pods form, these must be immediately removed to insure a prolonged blooming period.

In growing sweet peas out of season, the vines are protected with cheese cloth or other light material. If the cloth is stretched above the plants it provides sufficient protection against strong sunshine in summer and chilly nights in winter in California.

Winter Flowering Spencer Sweet Peas— Two Magnificent Novelties

- 4228 **Early Fascination.** A combination of color, vigor and stems bred for the exacting specifications of the florist. An early flowering sweet pea with the salmon rose-pink color of the famous Late Hawmark Pink plus the long, strong stems that have made the Early Jeane Mamisch so popular as a commercial sweet pea. Packet, 35c; 3 for \$1.
- 4263 **Early Satin Rose.** An exceedingly vigorous early flowering sweet pea with long stems. The flowers are large and beautifully shaped and the wings are in perfect proportion to the standard. The color is an exquisite blend of rose and amber with quite a strong touch of salmon, making one of the most beautiful sweet peas we have ever seen. Packet, 35c; 3 for \$1.00.

Ten Giant Winter Spencer Sweet Peas

- 4202 **Amethyst.** Royal purple of large size and perfect form.
- 4208 **Blue Bird.** Rich deep blue or purple. Fine clear shade.
- 4219 **Cream.** Pleasing creamy yellow. Very free flowering.
- 4285 **Harmony.** A lovely clear lavender. Large, and long stems.
- 4223 **Embers.** One of the newer shades, bright orange salmon.
- 4239 **Illumination.** A leading red variety, rich cerise in tone.
- 4232 **Gorgeous.** Bright salmon rose. A very attractive variety.
- 4237 **Hercules.** Strong growing Mammoth rose. One of the best.
- 4256 **Othello.** A deep, rich shade of velvety maroon.
- 4271 **White Orchid.** Lovely ruffled pure white. Large, long stem.

Price: Any of the above, per pkt. 10; oz. 75c; ¼ lb. \$2.25.

Collection Offer: One packet each of the ten Giant Winter Spencer Sweet Peas described above for.....

85c

- 4201 **All White.** Giant white. Splendid cut flower.
- 4204 **Asta Ohn.** Lavender, delicately tinted mauve.
- 4205 **Aviator.** A superb dazzling crimson. Large, free flowering.
- 4211 **Blue Picotee.** White daintily edged with bright blue.
- 4216 **Chevalier.** Glowing deep rose color. Large and long stemmed.
- 4218 **Columbia.** Large wavy pink and white.
- 4225 **Fair Maid.** Delightful shade of delicate blush pink.
- 4227 **Fire King.** Showy variety; deep Orange Scarlet.
- 4229 **Glitters.** Glittering cerise. Bright and cheerful; a remarkably fine variety.
- 4233 **Grenadier.** The most brilliant scarlet.
- 4238 **Helen Lewis.** Not new but always popular; rich rosy salmon.
- 4243 **Lavender King.** Clear lavender of perfect form.
- 4247 **Miss Louise Gude.** Brilliant pink. A lovely variety of uniform shell-pink throughout.
- 4251 **Mrs. Kerr.** Exquisite salmon shade; best if slightly shaded.
- 4255 **Penrose.** Large, vigorous and free blooming; color clear rose pink.
- 4275 **Perfection.** Deep rose, one of the best in this shade.
- 4258 **Rose Charm.** Bright rose. Beautiful large well shaped flowers.
- 4259 **Radiance.** Rich, deep rose bordering on red.
- 4260 **Rose Dore.** Beautiful soft rose pink, delicately suffused with salmon.
- 4261 **Santa Barbara.** Mammoth deep orange. Long stems.
- 4262 **Snowstorm.** (Improved). A popular pure white.
- 4248 **Spring Song.** Salmon pink on cream. Large flower, charming shade.
- 4264 **Starlight.** Pale clear bluish lavender, very pleasing.
- 4265 **Sweet Lavender.** A true lavender of large size.
- 4266 **The Beauty.** Dark fiery rose. A splendid sort.
- 4276 **Zvolanek's Rose.** Excellent rose pink. A favorite cut flower variety.

Price: Any of the above per pkt., 15c; oz. 90c; ¼ lb., \$2.70

- 4279 **Germain's Blend Winter Spencer Mixed.** Price per pkt., 15c; ½ oz., 40c; oz., 75c; ¼ lb., \$2.25; lb., \$7.50.

(Turn to inside front cover for Los Angeles Sweet Pea Collection illustrated in color.)

SWEET PEAS

California's Best

Giant Spencer Sweet Peas

The flowers of the Giant Spencer type are very large and wavy. The vines are extremely vigorous, often growing 8 to 10 feet in height. If planted in the fall they begin to bloom very early in spring and if the blossoms are gathered daily and no seed pods are allowed to form they continue to flower freely for several months.

Three Splendid New Sweet Peas

- 4350 **Rosie.** Deep Rose-Pink, the florists' popular color. Rosie is vastly superior to all other varieties in the rose-pink class, and easily tops the list of varieties such as Hercules, Hebe and Pinkie..... .25
- 4290 **Bon-Bon.** Rich Pink with a glorious shading of Amber combined with vigor of growth, tremendous length of stem and flowers of enormous size..... .25
- 4347 **Pirate Gold.** Rich Golden Orange. Pirate Gold is quite a new shade in this group and withstands our hot California sun better than any other variety in this color class. Pirate Gold is a strong vigorous grower, the flowers are well formed and its color is the most pleasing of the Golden Orange group..... .25

Collection: One packet each of the three splendid new Spencer Sweet Peas for.....

60c

- 4282 **Asta Ohn.** Lavender, tinted mauve. Very free flowering.
- 4285 **Crimson King.** Deep crimson, vigorous, large and long stemmed.
- 4287 **Blanche Ferry.** Select, bright rose and white.
- 4288 **Blue Monarch.** Deep navy blue.
- 4289 **Blue Picotee.** White ground, prettily edged blue.
- 4293 **Countess Spencer.** Light pink, shading darker towards edges.
- 4295 **Defiance.** A new scarlet, large, vigorous, absolutely burnless.
- 4296 **Dobbie's Cream.** Fine deep cream color.
- 4297 **Edith Taylor.** Rose salmon.
- 4299 **Elegance.** Exquisite delicate blush pink.
- 4303 **Fiery Cross.** A scorching fiery red color, exquisitely waved.
- 4313 **Hebe.** Large bright pink. A rich clear color. Long stemmed.
- 4314 **Helen Lewis.** Bright rosy salmon.
- 4316 **Hercules.** Rose pink. Immense flowers, long stems and a beautiful, rich, clear, rose color, very vigorous and a free bloomer.
- 4321 **Illuminator.** A glowing cerise-salmon with an indication of bright orange, which glistens in the sunlight.
- 4323 **King Edward.** Crimson scarlet. An excellent red.
- 4325 **King White.** The best Spencer White ever produced.
- 4330 **Mary Pickford.** Large, wavy, perfectly formed flowers of dainty cream pink. A recent introduction of great merit.
- 4332 **Miss California.** Rich beautiful salmon cream pink.
- 4337 **Mrs. Tom Jones.** Bright delphinium blue. Good clean color.
- 4342 **Pinkie.** Large rose-pink, very floriferous and long stemmed.
- 4343 **Othello.** Rich, deep maroon. Extremely dark.
- 4344 **Powers Court.** A very beautiful lavender sort from England.
- 4346 **Primrose Spencer.** The color is a pronounced creamy yellow, with beautiful crinkled wings.
- 4351 **Royal Purple.** A beautiful Royal Purple. A rich shade.
- 4352 **Royal Scot.** A scarlet of exceptional brilliancy.
- 4354 **Senator Spencer.** Claret stripes on heliotrope.
- 4361 **Tangerine.** The last word in orange-colored sweet peas. Resembling closely the Tangerine in color.
- 4367 **Youth.** White edged rosy carmine.
- Any of the above 10c per packet; 40c per ounce**
- 4370 **Choice Spencer Mixed.** A carefully blended mixture containing an unusually wide range of beautiful colors. PER PKT.
Oz., 30c; $\frac{1}{4}$ lb., 90c; lb., \$3.00.....\$.10



ILLUMINATOR
SWEET PEA

Inoculate Sweet Peas with NITRAGIN The Original Soil Inoculator

Sweet Peas are legumes—they need the nitrogen gathering legume germs. Few soils contain a natural supply. It is therefore necessary to inoculate. Nitragin hastens maturity. Increases yield. Produces better flowers. Adds fertility to the soil.

Directions on every package.

Garden Size (enough to inoculate from 1 oz. to 8 lbs. of seed).....25c

GERMAIN'S "DOLLAR COLLECTION" OF GIANT SPENCER SWEET PEAS

Twelve beautiful shades in the following varieties: Asta Ohn, Blanche Ferry, Countess Spencer, Edith Taylor, Hercules, King Edward, Mary Pickford, Othello, Dobbie's Cream, Tangerine, Mrs. Tom Jones, King White. Price \$1.00.

THE "SUNSET COLLECTION"

An excellent assortment containing six fine varieties, namely: Asta Ohn, lavender, Hercules, rose-pink; Illuminator, cerise; Primrose Spencer, yellow; Royal Purple and White Spencer. Price 50c.

GERMAIN'S

Los Angeles - - - Since 1871

SWEET WILLIAM

(*Dianthus Barbatus*)

Vigorous, free flowering perennial with large showy flower heads in bright attractive colors abundantly produced in spring. Very effective bedding and border plant blooming at a time when flowers are not as yet too plentiful. Height 15 to 18 inches. Sow in spring or early summer, the flowers appear the following spring.

- 3962 **Pink Beauty.** A beautiful variety of recent introduction. Flowers very large and of a most attractive salmon rose. $\frac{1}{4}$ oz. 45c\$.15
- 3964 **Scarlet Beauty.** A fine companion variety to the foregoing, very large and showy scarlet red. $\frac{1}{4}$ oz. 45c15
- 3966 **Single Dark Crimson.** Intense dark red. $\frac{1}{4}$ oz. 45c15
- 3968 **Single Pure White.** $\frac{1}{4}$ oz. 45c15
- 3970 **Large Flowered Single Mixed.** $\frac{1}{2}$ oz. 45c10
- 3975 **Extra Large Double Mixed.** Strong growing, bushy plants 18 inches high, producing in the greatest profusion large double flowers in the most vivid and attractive shade. $\frac{1}{4}$ oz. 45c15

Tagetes

- 3983 **Signata Pumila.** Very attractive low border annual 9 inches high with beautiful fern-like foliage; a dwarf Marigold densely covered with bright, golden yellow flowers over the entire season. $\frac{1}{4}$ oz. 40c10

Valeriana

(*Valerian*)

Robust perennial blooming the first season from seed and bearing an abundance of showy flowers in large corymbs, valuable for cutting. 3 feet.

- 3991 **Alba.** Pure white. $\frac{1}{8}$ oz. 25c\$.10
- 3992 **Coccinea.** Vivid Scarlet. $\frac{1}{8}$ oz. 30c10
- 3993 **Rosea.** Bright rose-pink. $\frac{1}{8}$ oz. 25c10
- 3995 **Choice Mixed.** Containing all shades. $\frac{1}{4}$ oz. 30c10

Verbena

The Verbenas are unrivalled for bedding, low borders, parkings, etc. blooming in California practically the entire year. They are perennial but grow very readily from seed, flowering in a few months after sowing. The seed may be started early in boxes and transplanted or out doors in April or May.

Germain's New Giant Hybrid Verbenas

Splendid new selections with individual flowers of surprisingly large size and exquisite colors. The plants are unusually vigorous and the immense flower trusses very freely produced.

- | | PER PKT. |
|---------------------------------------------------------------------------------------|----------|
| 3998 Hybrida Gigantea Firefly. Brilliant Scarlet with white eye | \$.25 |
| 4001 Hybrida Gigantea Lucifer. Intense Scarlet throughout. | .25 |
| 4002 Hybrida Gigantea Mayflower. Bright rosy pink.... | .25 |
| 4003 Hybrida Gigantea Stellata Violacea. Deep purple with large white eye..... | .25 |
| 4004 Hybrida Gigantea Mixed. Giant sorts mixed. $\frac{1}{4}$ oz. 80c..... | .25 |



SWEET WILLIAM

Sweet Alyssum

(*Sweet Alyssum* or *Mad Wort*)

Pretty, very sweetly scented, annual plants useful for borders, edging, window boxes, hanging baskets and rock work. They flower profusely all summer and are among the most successful also for winter blooming.

- | | PER PKT. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| 2039 Sweet Alyssum (<i>A. Maritimum</i>). White, very sweet, about 9 inches and of trailing habit, 40c per oz..... | .10 |
| 2041 Compactum (<i>Tom Thumb</i>). Ideal for edging, erect growth, 6 inches..... | .10 |
| 2045 Carpet of Snow (<i>Procumbens</i>). Very dwarf, barely 4 inches high, forming low tufted plants which are a mass of white during the entire season. Wonderful for edging | .10 |
| 2044 Lilac Queen. Good compact habit and a very pretty deep lavender lilac in color, 6 inches, 75c per oz..... | .15 |
| 2047 Saxatile (<i>Basket of Gold</i>). Showy bright yellow hardy perennial, valuable for rock work and permanent edging or border, 1 foot high. 50c per $\frac{1}{2}$ oz..... | .10 |

Thalictrum

- 3982 **Dipterocarpum.** Tall growing, exceedingly graceful perennial producing freely its elegant sprays covered with Myriads of diminutive rosy lilac flowers, valuable and charming when cut. 5 pkts. for \$1.00.... .25

Torenia

- 3986 **Fournieri.** Annual, 1 foot high, covered the entire season with a mass of flowers, bright blue with yellow center.15

SEEDS

California's Best

Mammoth Verbenas

Beautiful large-flowered varieties extensively used for bedding, borders, etc., and keeping well when cut for table decoration, vases, etc.

- | | |
|-------------------------|--------------------------------|
| 4006 Mammoth Rose | 4008 Mammoth Defiance—Scarlet. |
| 4007 Mammoth Dark Blue. | 4009 Mammoth White. |
| | 4010 Mammoth Mixed. |

Price: Any of the above, ¼ oz. 50c; per pkt. 10c

Verbena

- 4014 **Erinoides** (*Moss Verbena*). A distinct species much in demand for parking, of trailing, spreading habit and low growth it soon covers a large area with a mass of light purple or violet colored flowers and continues in bloom almost indefinitely. ¼ oz. 60c\$ 15

Vinca

(*Madagascar Periwinkle*)

A very free and continuous blooming bedding plant with shiny light green foliage. Good cut flowers, the buds all opening in water, and valuable as a winter pot plant for the house or conservatory. Sow seed indoors early or start in the open in May.

- | | |
|-----------------------|-----------------------|
| 4018 Alba. White with | 4019 Rosea. Rosy red. |
| crimson eye. | 4020 Choice Mixed. |

Price: Any of the above, ¼ oz. 50c; per pkt. 10c.

Viola

(*Tufted Pansy*)

There are few bedding plants so dependable, colorful and persistent in blooming over a long period as the tufted pansies. While the individual flowers are smaller than the regular pansy, they are produced in such profusion that the beds are a sheet of bloom through the entire season. Like the pansies they are gross feeders and thrive best in light but rich soil.

- | | |
|------------------------------------------------------------------------|-------------------------------|
| 4022 Blue Perfection. Clear Light Blue. | PER PKT. ¼ oz. 45c.....\$.15 |
| 4028 White Perfection. Large Pure White. | ¼ oz. 45c..... .15 |
| 4025 Purple King. Rich deep Blue. | ¼ oz. 50c.....\$.15 |
| 4026 Yellow Queen. Bright golden yellow. | ¼ oz. 45c..... .15 |
| 4023 Papilio (<i>Butterfly Viola</i>). Violet Lilac with darker eye. | ¼ oz. 45c..... .15 |
| 4030 Tufted Pansies in Choice Mixture. | ¼ oz. 75c..... .10 |
- Collection: One packet each of the five colors, 60c.

Violet

(*Viola Odorata*)

For this well beloved and fragrant favorite no introduction nor description is necessary—the sweet Violet is known to all. It is a true perennial and once the plants have become established they thrive for years in the same bed with little care, but like most perennials the seeds are rather slow in germinating therefore do not disturb seed box or beds until sufficient time has elapsed. Sow in winter or early spring in light loam mixed with leaf mould. Violets succeed best in partial shade.

- | | |
|-----------------------------------------------------------------------------|-------------------------------|
| 4033 Princess of Wales. Large and with good stems several inches in length. | PER PKT. ¼ oz. 75c.....\$.25 |
| 4032 Odorata. The popular sweet scented variety. | ¼ oz. 75c..... .10 |

Wigandia

- 4073 **Caracassana**. Highly decorative foliage plant with very large bronzy leaves, growing to a height of 5 feet. Perennial.\$.15



VERBENA

Virginian Stock

Pretty dwarf annual with sprays of numerous rose and white flowers.

- | | |
|---------------------------|-------------------------------|
| 4041 Fairy Queen. Carmine | 4043 White Queen. Pure White. |
| Rose. | |
| 4045 Choice Mixed. | |

Price of the above: ½ oz. 40c; per pkt. 10c.

Viscaria

Colorful and free-flowering annuals for borders, beds, etc., growing about 1 foot high. Sow in fall or spring in the open or in boxes and transplant.

- | |
|--------------------------------------------------------------------|
| 4046 Coeli Rosea (<i>Rose of Heaven</i>). Rose-pink. |
| 4047 Elegans Picta. Rose marked with Scarlet. |
| 4048 Oculata. Rose with dark eye. |
| 4050 Finest Mixed. Containing many shades of red, rose, and white. |

Price: All the above, ¼ oz. 30c; per pkt. 10c.

Wallflower

The velvety petals of this old time favorite are rich in mellow tones of bronze, copper and buff. Excellent for winter blooming either potted indoors or in the open where the climate permits. Sow seed in spring for winter bloom or later for spring and summer flowering. Biennial. 1 to 1½ feet in height.

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| 4056 Belvoir Castle. Golden Buff. | PER PKT. ¼ oz. 25c.....\$.10 |
| 4057 Fire King. Orange Carmine. | ¼ oz. 25c..... .10 |
| 4058 Harbinger. Rich Copper red. | ¼ oz. 25c..... .10 |
| 4060 Choicest Single Mixed. | ¼ oz. 25c..... .10 |
| 4062 Double Flowering Extra Select. A very fine strain producing large spikes of perfectly double flowers in a profusion of rich colors. 5 pkts. for \$1.00. |\$.25 |

PLANT GERMAIN'S for OLYMPIC

Zinnias for Summer Bloom

We have received many inquiries from our customers and from clubs and civic organizations, regarding the best and most colorful summer flower to plant in order that, in 1932 especially, Los Angeles may live up to her name of **THE CITY OF FLOWERS**. We unhesitatingly recommend **The Zinnia**. All types are easily grown, thrive in hot weather, bloom freely and long and include all the bright and gay colors the occasion demands.

Zinnia California Giants

In form these flowers resemble the mammoth type, but with a notable increase in size and petals more loosely placed lending a new grace from bud to bloom until fully expanded to their typical enormous size. (See upper left panel).

- 4165 **CERISE QUEEN.** Beautiful Cerise rose, brilliant flower.
- 4616 **LEMON QUEEN.** The color of a ripe California lemon.
- 4162 **ORANGE KING.** True Cadmium or burnt orange.
- 4163 **ORANGE QUEEN.** A warm golden orange.
- 4166 **ROSE QUEEN.** Rose pink, deep rose center.
- 4174 **VIOLET QUEEN.** Pleasing lavender violet.
- 4167 **SCARLET GEM.** Glowing scarlet, a gem in color.
- 4164 **PURITY.** Pure white.
- 4168 **GIANT MAMMOTH** or California Giant Zinnias mixed.

Price: Per packet 25c each

Collection: One packet each of the eight named sorts for \$1.50

Giant Dahlia Flowered Zinnias

This famous strain marks an entirely new departure in Zinnias. The large size, fullness of petals, extraordinary color range and excellent keeping qualities of the flowers have all contributed to its popularity. In form the flowers resemble a large decorative Dahlia. (See lower left panel).

The following are specially grown for us here by the originator.

- 4087 **CANARY BIRD.** Primrose Yellow. Very large.
- 4088 **CRIMSON MONARCH.** The largest and best crimson.
- 4089 **DREAM.** Deep lavender or purple.
- 4091 **EXQUISITE.** Rose with darker center.
- 4092 **GOLDEN STATE.** Very rich orange yellow.
- 4093 **ILLUMINATION.** Rich deep rose.
- 4095 **OLD ROSE.** A soft Salmon rose.
- 4097 **POLAR BEAR.** Named after the white decorative Dahlia "Polar Bear."
- 4098 **SCARLET FLAME.** A large, vivid Scarlet.
- 4100 **DAHLIA-FLOWERED ZINNIA**s in Choice Mixture.

Price: Per packet 25c each.

Collection: The entire collection of nine Dahlia flowered Zinnias, \$1.75.

GERMAIN'S GIANT ZINNIA COLLECTION

The seed in this collection is specially grown for us by the originator of the **Dahlia Flowered Zinnia**. It is therefore the finest strain in the world. Our large lithographed package contains many beautiful colors. A surprising value at.....

50c

SUPERB ZINNIAS YEAR 1932

Germain's Mammoth Zinnias

Our mammoth strain is highly recommended for all bedding purposes and for cutting. The plants are tall and vigorous and produce an abundance of large very double flowers in all the desirable shades. (See lower right panel).

- | | |
|----------------------------------------------------|------------------------------------------------------------------------|
| 4106 BURNT ORANGE. Rich Golden Orange. | 4114 SALMON. Salmon rose. |
| 4118 GOLDEN YELLOW. Bright even Yellow. | 4115 SCARLET. Bright red. |
| 4107 CRIMSON. Dark red. | 4117 WHITE. Pure White. |
| 4111 ROSE PINK. Attractive bright rose. | 4120 MAMMOTH MIXED. Containing a wide range of splendid shades. |
| 4112 PURPLE. Deep lavender or light purple. | |

The Collection of 8 Mammoth Zinnias, \$1.00.
Price: Per packet 15c each.

Large Flowering Double or Cut-and-Come-Again Zinnias

Sturdy bushes not over 2 feet in height bearing numerous very double flowers of large size and exceedingly bright in color. (See center right panel). These are by many considered the most valuable group for beds and borders. Of heavily branching habit and profuse bloomers.

- | | |
|-----------------------------------------------|-----------------------------------------|
| 4122 FLESH. Delicate light pink. | 4126 WHITE. Pure white. |
| 4123 SALMON ROSE. A very bright shade. | 4127 GOLDEN YELLOW. |
| 4124 SCARLET. Vivid red. | 4121 ELEGANS. Tall double mixed. |

Price: Any of the above, 1/4 oz. 30c; Per pkt. 10c.

Double Pompon or Liliput Zinnias

These small button-like flowers are very desirable for cut flowers and basket work. (See upper right panel). They are very double and produced in the greatest profusion.

- | |
|---------------------------------------------|
| 4142 DARK CRIMSON. Deep crimson red. |
| 4143 GOLDEN GEM. Bright yellow. |
| 4145 SCARLET GEM. Bright scarlet. |
| 4146 WHITE GEM. Pure white. |
| 4148 SALMON ROSE. Clear rose. |
| 4150 DOUBLE POMPON MIXED. |

Price: Per packet 15c each

Collection: One packet each of the five colors for 60c.

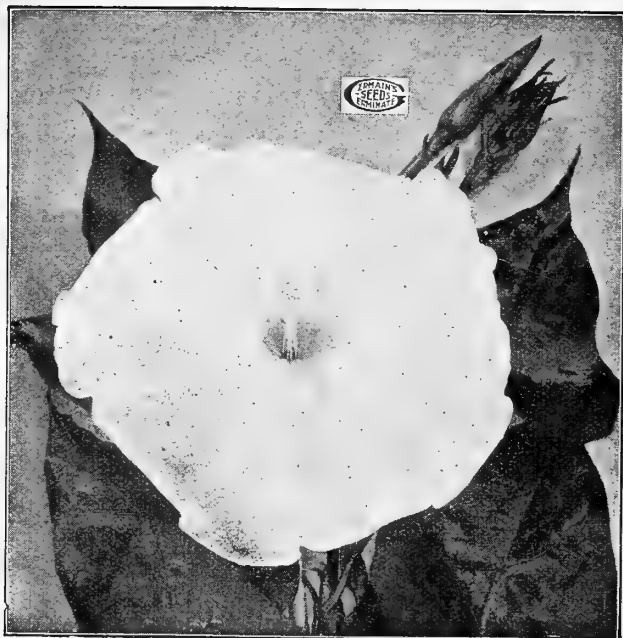
- | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4156 GIANT PICOTEE. A very pretty mixed strain of pleasing colors, the petals being edged with contrasting shades. Of special value for cutting, Pkt. 25c |
| 4158 VICTORY QUILLED. A distinct type. Petals are prettily quilled. Colors mostly russets, golden orange, old rose and other autumn tints. Per Pkt. 25c |

GERMAIN'S BLAZE O'COLOR ZINNIA COLLECTION

This favorite assortment contains six separate full sized packets of giant flowered zinnias and one package of plant food tablets.
A 75c value for

50c





White Moon flower

Adlumia

- 2011 *Cirrhusa*. Feathery foliage and numerous tube shape, pretty flesh colored flowers **PER PKT.** \$.10

Antigonon

- 2074 *Leptopus (Rosa de Montana)*. Perennial. Nearly always in flower; the blossoms are like those of a rosy pink Begonia, but borne in the greatest profusion all over the plant..... .15

Aristolochia

- 2210 *Elegans*. A twining vine with small leaves and large showy dark purple flowers25
2211 *Sipho (Dutchman's Pipe)*. The flowers are very odd and curious resembling a Dutchman's pipe. The large heart shaped leaves are grand.. .15

Balloon Vine

- 2401 *Cardiospermum*. A rapid growing annual climber. White flowers are followed by interesting seed pods resembling miniature balloons. Per oz. 35c10

Bignonia

- Splendid strong growing woody perennial climbers. Very popular for covering pergolas, porches, walls, pillars, etc.
2455 *Radians*. Bright orange scarlet..... \$.10
2456 *Tweediana*. Golden yellow flowers, foliage evergreen..... .10

Calampelis

- 2478 *Seabra*. Beautiful perennial vine, 6 feet in height, valuable for trellises, etc., and bearing freely large deep orange flowers..... .10

Canary Bird Vine

- 3988 A tall annual climber of the Nasturtium family, producing a profusion of attractive golden yellow flowers..... .10

Cardinal Climber

- 3211 *Cardinalis*. Grows to a height of 30 feet with attractive green foliage covered with a blaze of bright cardinal red flowers..... .15

Clematis

- 2722 *Paniculata (Japanese Virgin's Bower)*. Strong rapid grower with dense, rich green foliage and producing a wealth of fragrant, pure white flowers in summer..... .10
2725 *New Large Flowered Hybrids*. Exceedingly beautiful and always greatly admired25

Clianthus

- 2727 *Puniceus (New Zealand Parrot's Bill)*. Perennial. A very handsome climber. Bright scarlet. Height 6 feet..... .15

Coboea

- 2730 *Seandens*. A very rapid annual climber, quickly attaining a height of 30 feet or more. The flowers are large, bell-shaped, deep purple in color. 30c per 1/4 oz.10

Convolvulus

- The tall Morning Glories are perhaps the most free flowering and rapid growing climbers in cultivation.
2739 Bright blue \$.10
2741 Rich crimson10
2742 Deep rose pink..... \$.10
2745 Choicest mixed, per oz. 25c.. .10

GERMAIN'S

Los Angeles - - - - Since 1871

SEEDS OF CLIMBING PLANTS

Vines and climbing plants lend a peculiar grace and charm indispensable to the modern home and garden. A vine clad porch or veranda on a hot day is a pleasant place. Vines soften ugly, hard lines in architecture, hide unsightly things in the garden, are beautiful in or out of flower and cannot be too freely planted. Many of the dwaffer kinds are nice for hanging baskets or for clothing parkways. Others are good for scrambling over old dead trees or posts. In short, there is no garden, no matter how small, in which vines do not play an important part in the scheme of decoration.

Dwarf Morning Glory

- 2746 *Minor Finest Mixed*. About 1 foot in height and covered during the entire season with medium sized blossoms. Per oz. 25c..... .10

Cypress Vine

Attractive climbers of the Morning Glory family with delicate feathery foliage and an abundance of pretty flowers. Annual. 10 feet.

- 3212 *Scarlet* \$.10
2313 *White* \$.10
3215 *Choice Mixed*. Per 1/2 oz. 35c..... .10

Dolichos

- 2897 *Lablab (Hyacinth Bean)*. Rapid annual climber flowering freely in erect racemes. Mixed colors. Per oz. 30c..... .10
2898 *Lignosus (Australian Pea)*. Rose and purple; one of the best climbers for a hot, dry climate. Perennial. Height 15 feet..... .10

Humulus

- 3187 *Japonicus (Japanese Hop Vine)*. Handsome green foliage. Height 20 feet, annual. Per 1/2 oz. 40c..... .10
3188 *Japonicus Variegata*. Prettily variegated form of the preceding variety, Per 1/2 oz. 30c..... .10

Ipomoea

- 3198 *Bona Nox (Annual Blue Moonflower)*. Large deep blue flowers freely produced all summer. Per 1/2 oz. 45c..... .10
3200 *Leari (Blue Dawn Flower)*. Perennial vine, a perpetual bloomer with large handsome rich dark flowers..... .25
3203 *Mexicana Grandiflora Alba (White Moonflower)*. Immense pure white. Per 1/4 oz. 50c..... .10
3199 *Rubro Coerulea (Heavenly Blue)*. One of the most beautiful with extra large flowers of a pleasing sky blue shade. Per 1/4 oz. 50c..... .10
3202 *Setosa (Brazilian Morning Glory)*. A rapid growing vine of unique subtropical appearance. Large lobed leaves and beautiful rose colored flowers with pink center..... .15
3210 *Imperialis Choicest Mixed (Imperial Japanese Morning Glory)*. Undoubtedly the handsomest of all morning glories. Per oz. 25c..... .10

Kudzu Vine

- 3231 *Kudzu Vine (Pueraria Thunbergiana)*. Perennial, one of the most rapid growing vines known. The leaves are very large, making it a suitable plant covering for arbors, trellises, etc. 1/4 oz. 25c..... .10

Lathyrus

- Free flowering, perennial climbers, excellent for covering fences, trellises, etc.
3256 *Latifolius Rose*..... \$.10
3258 *Latifolius White* \$.10
3260 *Latifolius Mixed*. 1/2 oz. 60c..... 10

Mandevilla

- 3332 *Suaveolens*. A very handsome climber with pure white; very fragrant flowers. The plant is perennial..... .25

Mina

- 3387 *Lobata*. Beautiful annual climber. It produces freely long spikes of handsome bright red and yellow flowers..... .10

Passiflora

- A splendid perennial climber, making a permanent and more or less woody vine. The flowers are very beautiful and of great interest due to their peculiar formation.
3563 *Coerulea*. Sky blue. 3564 *Edulis*. Lavender.
3566 *Rosacea*. Carmine. 3568 *Choicest Mixed*.
Price: Any of the above sorts 1/4 oz. \$1.00; per pkt. 25c

Phaseolus

- 3619 *Caracalla*. A very curious vine growing about 8 feet high; flowers, lilac-purple \$.15

Smilax

- 3837 *Asparagoides*. A splendid very graceful perennial climber much used for decorating and festooning. 1/4 oz. 35c..... .10

Thumbergia

- 3984 *Alata Mixed*. Flowers in shades of orange, buff, white, etc., with very dark eye. 1/4 oz. 50c..... .10

Wistaria

- 4068 *Sinensis*. A charming old-fashioned hardy climber, producing its pale blue flowers in large clusters..... .15

SEEDS

California's Best

Native Wild Flower Seeds

The native wild flowers of California are noted for their exquisite beauty and the great variety of species to be found in our valleys, foothills and mountain canyons. Nothing more charming and interesting in the garden than a section or border devoted to the culture of these lovely native plants. In California native ower seeds may be sown in the fall or at the start of the rainy season as well as in spring. In Eastern States they should for the most part be started when the weather warms up in spring and will prove entirely successful and be highly prized.

Souvenir Collection containing 10 choice varieties of California Native Flower Seeds. (Our Selection)		EACH
200	<i>Abronia Umbellatum</i> (Sand Verbena). Low annual. Thrives in sandy soil. Flowers rose	\$.50
220	<i>Argemone</i> (Prickly Poppy). Annual 1½ to 5 ft. Colors white and yellow. Leaves gray-green and prickly	.10
246	<i>Brodacaea Capitata</i> (Cluster Lily). Flowers early in spring; deep violet to white. Height ¾ to 1 ft.	.15
245	<i>Bloomeria Aurea</i> (Golden Stars). Golden yellow clusters	.10
271	<i>Clarkia Elegans</i> . Annual 3 to 6 feet high. Flowers lavender purple and crimson	.10
273	<i>Collinsia Bicolor</i> (Innocence). Shaded white, lilac and rose-purple	.10
326	<i>Coreopsis Maritima</i> (Sea Dahlia). Perennial, 2 to 2½ ft. high. Large showy canary yellow flowers	.10
283	<i>Delphinium Cardinale</i> (Scarlet Larkspur). Magnificent perennial; flowers intense bright scarlet. 5 ft.	.25
288	<i>Dicentra Chrysantha</i> (California Bleeding Heart). Perennial; orange-yellow. Height 3 to 5 ft.	.15
289	<i>Dodecatheon Clevelandii</i> (Shooting Star). Perennial; purple, bordered with yellow. Height ¾ ft.	.15
290	<i>Emmenanthe Penduliflora</i> (Whispering Bells). Bushy annual; light yellow, bell-shaped flowers. 1½ ft.	.15
291	<i>Eschscholtzia Californica</i> (California Poppy). The most famous of California wild flowers. Annual 1½ ft. high. Golden yellow. (See also Flower Seed Section)	.10
300	<i>Godetia Amoena</i> (Farewell to Spring). Annual 1½ to 2 ft. high. Lilac-purple and red. Shade loving	.10
326	<i>Lathyrus Splendens</i> (Pride of California). Magnificent perennial climbing pea; Height 6 to 10 ft.	.15
327	<i>Layia Elegans</i> (Tidy Tips). A pretty annual; flowers yellow tipped with white. Height 6 to 12 inches	.10
327	<i>Layia Glandulosa</i> (White Daisy). Annual flowers, pure white and daisy-like. Height 6 to 12 inches	.10
327	<i>Leptosyne Stullmani</i> . Annual, with compact, bushy, thin-cut leaves; flowers golden yellow. 1 ft. high	.15
360	<i>Lilae Californica</i> (California Soap Plant). Light blue	.15
328	<i>Limnantes Douglasii</i> (Meadow Foam). Yellow flowers; 4 inches high	.10
332	<i>Lupinus Nanus</i> . Dwarf. Fragrant; rich blue	.10
336	<i>Mentzelia Lindleyi</i> (Blazing Star). Showy yellow flowers; 2 to 3 ft.	.10
346	<i>Nemophila Insignis</i> (Baby Blue Eyes). Annual; skyblue flowers. Height 4 to 6 inches	.10
346	<i>Nemophila Maculata</i> . White with purple blotches	.10
346	<i>Nemophila</i> . Mixed	.10
357	<i>Pentstemon Spectabilis</i> ("Blue Pentstemon"). Large spike of deep blue flowers; height 3½ to 7 ft.	.10
361	<i>Phacelia Parryi</i> . Annual. Flowers bell-shaped, dark violet-blue. Height 6 to 12 inches	.10
361	<i>Phacelia Tanacetifolia</i> (Wild Heliotrope). Annual 2 feet high. Large heads of violet blue flowers	.10
361	<i>Phacelia Whitlavia</i> (Wild Canterbury Bells). Annual deep violet purple, 1½ ft.	.10
374	<i>Romneya Coulteri</i> (Matilija Poppy). The queen of all our native flowers. Perennial. Flowers pure white with golden stamens and 6 to 1 inches in diameter; flowers last well when cut. 6 to 10 ft.	.10
403	<i>Viola Pedunculata</i> (California Yellow Violet). Sometimes called "The Yellow Johnny Jump-up."	.25
418	<i>Germain's Premium California Wild Flower Mixture</i> . Oz. 50c; ¼ lb. \$1.50; 1 lb. \$5.00	.10
419	<i>California Wild Flowers in Mixture</i> . Oz. 30c; ¼ lb. 90c; 1 lb. \$3.00	.10

Everlasting Flowers

Everlasting flowers are greatly admired and highly prized for winter bouquets. They should be cut when partially expanded, and hung with the heads downward until thoroughly dry. *Acroclinium*. Pretty daisy-like flowers, useful for bouquets either fresh or when dried. Annual 1 to 1½ ft. high.

		PER PKT.
2005	Double Pink	\$.10
2010	Double Mixed	Oz. 75c .10
Globe Amaranth. (<i>Gomphrena</i>). Good bedding plant 2 feet high with flowers resembling clover heads, which can be dried for winter use.		
3034	Purple	.10
3032	Flesh	.10
3036	Rose	.10
<i>Rhodanthe</i> (Swan River Everlasting). Charming annual. 1 ft. high.		
3767	Double Rose	.10
3772	Double Mixed	.10
<i>Statice</i> (Sea Lavender). Very popular cut flowers, fresh or dried. 1½ to 2 ft. The <i>Sinuata</i> type is annual, others are perennial.		
3855	<i>Sinuata</i> . Dark blue	.10
3854	<i>Sinuata</i> . Lavender	.10
3858	<i>Sinuata</i> . Rose	.10
3853	<i>Sinuata</i> . White	.10
3852	<i>Bonduellii</i> . Yellow	.10
3860	All Colors. Mixed. Oz. 60c.	.10
<i>Xeranthemum</i> (Immortelle). It grows to 2 or 3 ft., bearing an abundance of bright rose, purple and white flowers.		
4080	Choice double mixed	.10



R OMNEYA COULTERI

Helichrysum (Straw Flower). The rich brilliant colors are effective in beds and borders and are extensively grown for drying. Annual 2½ ft.

3131	Double Brown	.10	3138	Double Salmon-Rose	.10
3134	Double Crimson	.10	3141	Double White	.10
3136	Double Fireball	.10	3144	Double Yellow	.10
3137	Double Pink	.10	3145	Double Mixed. ½ oz. 45c.	.10
	3142	Double Purple			.10

Ornamental Gourds

3095	Cucumber Snake (<i>Cucumis Flexuosus</i>)	\$.10
3108	Wild Cucumber. Very curious. Height 4 ft.	.10
3091	Apple Shaped. Height 10 ft.	.10
3093	Bottle-shaped. White flowers. Height 10 ft.	.10
3094	Calabash-shaped or Pipe. Height 10 ft.	.10
3096	Dipper. Height 10 ft.	.10
3097	Dish Rag. When properly prepared this is very serviceable in many ways. Height 6 ft.	.10
4098	Egg Shaped. "Nest Egg." Height 10 ft.	.10
3099	Hercules Club. Fruits 7 to 8 ft. in length. Height 15 ft.	.10
3101	Orange Shaped (Mock Orange). Height 15 ft.	.10
3102	Pear Shaped. Height 10 ft.	.10
3104	Serpent (<i>Trichosanthes Colubrina</i>). Very long and coiled. Height 10 ft.	.10
3106	Sugar Trough. Enormous, holding several gallons. Height 15 ft.	.10
3107	Turks Turban	.10
3110	Finest Mixture. Oz. 45c.	.10

Momordica

The Momordicas are very handsome. The fruit bursts when ripe, exposing bright orange-scarlet interior, which resembles a handsome flower.

3388	Balsamina. "Balsam Apple." Height 6 ft.	.10
3389	Charantia. "Balsam Pear." Height 5 ft.	.10

Ornamental Grasses

The ornamental grasses are very interesting and have many uses in the garden. When dried they are valuable for winter use in bouquets, baskets, etc. Grasses are easily grown and are usually sown in early spring in the open.

		PER PKT.
3051	<i>Agrostis Nebulosa</i> . A. Very graceful and fine for vases or bouquets. Height 1 ft.	\$.10
3054	<i>Briza Maxima</i> . A. (Quaking Grass). Prized for bouquets of dried flowers and grasses. 1½ ft. Oz. 60c.	.10
3057	<i>Coix Lachryma</i> . A. Job's Tears. Oz. 15c.	.10
3059	<i>Cyperus Alternifolius</i> . P. (Umbrella Plant). May be grown in pots, in the garden, or as a subaquaic.	.25
3061	<i>Eragrostis Elegans</i> (Love Grass). A. Has beautiful spikelets; good for bouquets. Height 1 ft.	.10
3062	<i>Eulalia Japonica</i> (Japan Plume Grass). P. Very effective in groups. Height 6 ft.	.10
3066	<i>Festuca Glauca</i> . P. Very neat and compact; fine for edgings to ribbon beds and borders. ½ ft.	.10
3075	<i>Lagurus Ovatus</i> (Hare's Tail Grass). A. Fine for bouquets. Height 2 ft. ½ oz. 45c.	.10
3077	<i>Pennisetum Longistylum</i> . A. Very effective in groups, graceful plumes of greenish white	.10
3078	<i>Pennisetum Rupeellianum</i> . A. (Purple Fountain Grass). Green leaves and purple plumes	.10
3087	<i>Zea Quadricolor</i> (Rainbow Maize). A. Striped in four colors, very ornamental for large clusters. 4 ft.	.25
3081	<i>Stipa Pennata</i> (Feather Grass). P. Universally admired in bouquets. Height 2 ft.	.10
3083	<i>Tricolaena Rosea</i> . P. Very pretty, with rose colored panicles. Height 3 ft.	.10
3084	<i>Uniola Latifolia</i> (Sea Oats). P. Very ornamental. Height 4 ft.	.10
3086	<i>Zea Japonica Fol. Variegata</i> (Striped Japanese Maize). A. Very ornamental. Height 4 ft.	.10
3090	Mixed Grasses. Many choice varieties, annual and perennial. ½ oz. 40c.	.10

SEEDS of SHRUBS and TREES

Acacia

- 4425 **BAILEYANA**. Glauous pinnate foliage. Covered with yellow flowers in late winter. Oz. 60c.
- 4426 **CULTRIFORMIS** (Knife Leaved Acacia). Oz. \$1.50.
- 4427 **DEALBATA** (Silver Wattle). Finely cut foliage. Yellow flowers in late winter. Oz. 60c.
- 4428 **DECURRENS** (Green or Black Wattle). Good tree for avenues. Oz. 60c.
- 4429 **FLORIBUNDA**. Quick growing, pendulous habit. Oz. 60c.
- 4431 **LATIFOLIA** (Longifolia). Oz. 75c.
- 4434 **MELANOXYLON** (Black Wood). A favorite street tree. Oz. 60c.
- 4437 **PODALYRIAEFOLIA**. A shrub flowering early in winter. Oz. \$1.75.
- 4439 **SALIGNA** (Willow-leaved Acacia). Oz. 90c.
- 4441 **VERTICILLATA**. Fine for lawns and groups. Oz. \$1.75.
- 4448 **ARBUTUS UNEDO** (Strawberry Shrub). Foliage dark green, bears flowers and strawberry-like fruit in fall. Oz. \$1.50.
- 4454 **BUXUS SEMPERVIRENS** (Evergreen Box). Oz. 45c.
- 4456 **CALLISTEMON RIGIDUS** (Bottle Brush). Oz. \$1.75.
- 4459 **CAMPHORA OFFICINALIS** (Camphor Tree). Symmetrical street tree or for lawns. Oz. 35c.

Cassia

- 4469 **GRANDIFLORA FLORIBUNDA**. Spreading shrub, bright yellow flowers. Oz. \$2.25.
- 4470 **TOMENTOSA** (Wooly Senna). Bright yellow flowers in winter. Oz. \$1.50.

Casuarina

- 4464 **EQUISETIFOLIA** (Beefwood). Needle-like leaves, good street tree. Oz. \$1.10.
- 4466 **STRICTA** (She-Oak). Tall growing, good for roads. Oz. \$1.75.
- 4468 **CATALPA SPECIOSA** (Indian Bean Tree). Oz. 75c.
- 4473 **CERATONIA SILIQUA** (St. John's Bread). Carob tree. Dark green, thick growing, fine for street. Oz. 30c.
- 4472 **CEDRUS DEODORA** (Himalayan Cedar). Silvery green, drooping. Oz. \$1.25.
- 4474 **COPROSMA BAUERI**. Very glossy foliage, fine dwarf shrub. Oz. \$1.50.

Cotoneaster

- 4475 **FRANCHETI**. Orange berries. Tall growing. Oz. 75c.
- 4480 **HORIZONTALIS**. Low spreading. Red berries. Oz. \$1.00.
- 4476 **PANNOSA**. Tall, leaves deep green, silver beneath. Berries vermilion red. Oz. 75c.
- 4477 **CRATAEGUS YUNNANENSIS**. Oz. \$1.10.
- 4478 **CRATAEGUS PYRACANTHA**. Dark green with orange red berries in winter. Oz. 90c.
- 4479 **CRYPTOMERIA JAPONICA** (Japan Cedar). Oz. 75c.

Cupressus

- 4481 **ARIZONICA** (Blue Cypress). Silvery blue, stands much heat and frost. Oz. 60c.
- 4484 **MACROCARPA** (Monterey Cypress). Quick growing, fine for hedge or single specimens. Oz. 50c.
- 4486 **SEMPERVIRENS** (Italian Cypress). Tall and tapering, for formal effect. Oz. 60c.
- 4487 **CYDONIA JAPONICA** (Japanese Quince). Oz. \$1.10.
- 2902 **DRACAENA AUSTRALIS**. Slender stems surmounted by dense tuft of long strap-like leaves. Oz. \$1.00.
- 2903 **DRACAENA INDIVISA**. Leaves narrower than above. Oz. 75c.

Eucalyptus

- 4596 **CORYNOCALYX** (Sugar Gum). Stands heat and drouth, but little frost. Oz. \$1.10.
- 4599 **FICIFOLIA** (Scarlet Flowering Gum). Ornamental, big clusters of crimson flowers. 100 seeds \$1.00.
- 4601 **GLOBULUS** (Tasmanian Blue Gum). Fast growing, succeeds best near the coast. Oz. \$1.20.
- 4606 **LEUCOXYLON** (Victorian Ironbark). Stands heat and cold inland or near the coast. Oz. \$1.10.

The collection of shrubs and trees described on this page contains only varieties of recognized ornamental value for garden or street planting, which can be successfully grown from seed.

It must be remembered, however, that hard wooded perennials germinate and develop more slowly than most herbaceous plants; but, if cared for over the required period, they are no harder to grow than annual flowers or vegetable plants.

Sow tree seeds at the latter part of winter or in spring, preferably in seed boxes of light, well-drained soil; covering the seed about its own depth or a little deeper. Press the soil firm with the hand after sowing and keep boxes in a lath house, frame, or some sheltered place, watering regularly and carefully. When seedlings are large enough to handle, pot or transplant to other boxes and grow on until large enough to set out in the open.

Acacia and other hard seeds should be soaked in hot water for 12 hours before planting.

Germination of certain varieties is slow and irregular, therefore seed boxes must be given good care over a protracted period as seedlings often continue to appear for several weeks and in some cases several months.

PRICE: All varieties of tree seeds offered on this page are 15c per packet.

- 4621 **ROBUSTA** (Swamp Mahogany). Thrives in low moist land, good for wind break or street. Oz. \$1.10.
- 4622 **ROSTRATA** (Red Gum). Succeeds under great variety of conditions. Heat, cold, drouth or moist land. Oz. \$1.10.
- 4623 **RUDIS** (Desert Gum). Will stand heat and cold; good in desert or near coast. Oz. \$1.10.
- 4629 **TERETICORNIS** (Gray Gum). Good for commercial use. Stands varied climates. Oz. \$1.10.
- 4631 **VIMINALIS** (Manna Gum). Rapid growth. Stands hot interior and high altitude. Wood less hard, works well. Oz. \$1.10.
- 4493 **FRAXINUS VELUTINA** (Arizona Ash). Heat and drouth resistant, good shade tree for Arizona and New Mexico. Oz. 45c.

Genista (Broom)

- 4494 **CANARIENSIS**. Pretty Shrub, pea-shaped yellow flowers in spring. Oz. \$1.75.
- 4499 **GREVILLEA ROBUSTA** (Silky Oak, or Australian Fern Tree). Beautiful tree for avenues, etc., orange flowers in late spring. Oz. \$1.10.
- 4674 **GUAVA, STRAWBERRY**. Handsome shrub, foliage deep green. Fruit edible. Oz. \$1.00.
- 4676 **GUAVA, PINEAPPLE** (Feijoa Sellowiana). Dark green leaves with silvery reverse. Fruit excellent for jelly. 100 seeds 60c.
- 4500 **HETEROMELES ARBUTIFOLIA** (California Holly). Good shrub, bright colored berries at Christmas time. Oz. 35c.

- 4503 **JACARANDA OVALIFOLIA** (Brazilian Jacaranda). Feathery foliage, blue flowers in early summer. 10 pods 45c.
- 4506 **LEPTOSPERMUM LAEVIGATUM**. Fast growing shrub, white flowers in spring. Oz. \$1.75.
- 4507 **LIBOCEDRUS DECURRENS** (California Red Cedar). Oz. \$1.10.
- 4508 **LIGUSTRUM JAPONICUM** (Japan Privet). Leaves large, leathery. Good shrub or hedge. Oz. 35c.
- 4509 **LIGUSTRUM NEPALENSE** (Small leaved Privet). Bright green, quick growth, excellent for hedge. Oz. 45c.
- 4510 **LIGUSTRUM VULGARE** (Small leaved English Privet). Similar to Nepa-lense. Same uses. Oz. 35c.
- 4518 **MELIA AZEDARACH UMBRACULIFORMIS** (Texas Umbrella Tree). Handsome street or shade tree. Stands much heat. Oz. 30c.

Melaleuca

- 4515 **ARMILLARIS**. (Spreading shrub, creamy white flowers. Oz. \$1.75.
- 4514 **HYPERICIFOLIA**. Tall, with rich red flowers. Oz. \$1.75.
- 4516 **NESOPHILA**. Gray green, spreading shrub; flowers rosy lilac. Oz. \$1.75.

- 4517 **METROSIDEROS TOMENTOSA**. Handsome shrub; flowers with crimson stamens. Oz. \$3.00.
- 4521 **MYRTUS COMMUNIS** (True Myrtle). Small white, fragrant flowers. Oz. \$1.10.
- 4522 **NANDINA DOMESTICA**. Attractive dwarf shrub, foliage colors in fall. Oz. 90c.
- 4523 **PARKINSONIA ACULEATA**. Thorny, drooping branches, leathery foliage, showy yellow flowers. Oz. 60c.

Pinus

- 4527 **CANARIENSIS** (Blue Pine). One of the best for So. California. Oz. 75c.
- 4528 **COULTERI** (Big Cone Pine). Native of San Bernardino Mountains and succeeds well under cultivation. Oz. \$1.00.
- 4530 **HALEPENSIS** (Aleppo Pine). A valuable species, very ornamental. Oz. 60c.
- 4529 **INSIGNIS** (Monterey Pine). Very successful near the coast. Oz. \$1.25.
- 4539 **TORREYANA** (Torrey Pine). A handsome native species of spreading habit. Oz. 90c.

Pittosporum

- 4641 **CRASSIFOLIUM** (Karo). Grey-green downy foliage, deep red flowers. Oz. \$1.50.
- 4542 **EUGENOIDES** (Tarara). Oz. \$1.25.
- 4543 **NIGRICANS** (Tawhiwhi). Small shiny leaves with leaf-stems almost black. Oz. \$1.50.
- 4547 **TOBIRA**. Dark green shiny leaves, numerous white fragrant flowers. Oz. \$1.10.
- 4548 **UNDULATUM** (Orange P.). A small tree with large deep green leaves. Oz. \$1.10.
- 4684 **POMEGRANATE** (Punicum Granatum). Oz. 75c.
- 4552 **PRUNUS ILLICIFOLIA** (California Cherry). Oz. 30c.
- 4553 **PRUNUS INTEGRIFOLIA** (Catalina Cherry). Oz. 30c.
- 4559 **SCHINUS MOLLE** (Mexican Pepper Tree). Finely cut bright green leaves, coral red berries. Oz. 20c.
- 4561 **SCIADOPITYS VERTICILLATA** (Japan Umbrella Pine). Very ornamental. Oz. \$1.10.

Sequoia

- 4567 **GIGANTEA** (California Big Tree). Oz. \$3.00.
- 4568 **SEMPERVIRENS** (California Redwood). Oz. \$1.10.
- 4562 **SPARTIUM JUNCEUM** (Spanish Broom). Large, pea-shaped yellow flowers in profusion; rush-like leaves. Oz. 50c.

Sterculia

- 4564 **DIVERSIFOLIA** (Brachychiton Populneum, Australia Bottle Tree). Oz. 60c.

Thuja

- 4574 **ORIENTALIS** (Chinese Arborvitea). Tall. Oz. 45c.
- 4573 **ORIENTALIS AUREA** (Golden Arborvitea). Oz. 75c.
- 4576 **ORIENTALIS NANA COMPACTA** (Dwarf Chinese Arborvitea). Oz. 60c.
- 4578 **VIBURNUM TINUS** (Laurustinus). Oz. 60c.

PALM SEEDS

- 4635 **EXCELSA** (Hardy Fan Palm). Oz. 45c.
- 4636 **HUMILIS** (Dwarf Fan Palm). Oz. 25c.

Cocos

- 4639 **PLUMOSA**. Slender trunk, long plumbed leaves; a favorite street palm. 100 seeds \$1.00.
- 4638 **AUSTRALIS** (Pindo Palm). 100 seeds \$1.00.

Erythea

- 4641 **ARMATA** (Brahea Glauca). Blue Palm. Elegant fan palm. 100 seeds \$1.50.
- 4642 **EDULIS** (Brahea Edulis). 100 seeds \$1.00.

Phoenix

- 4649 **CANARIENSIS**. The ornamental date palm. 100 seeds 25c; 1000 seeds \$1.75.
- 4651 **DACTYLIFERA** (The Date Palm). Fruit edible. Oz. 30c.
- 4652 **RECLINATA**. 100 seeds 75c.

Washingtonia

- 4659 **FILIFERA** (California Date Palm). Oz. 25c.
- 4658 **ROBUSTA**. A robust Fan palm. Oz. 35c.

GERMAIN'S SELECT DAHLIAS

New Introductions for 1932

The following three new Dahlias have been under close observation in our trial grounds for the past two years, where they have shown exceptional vigor, size and beauty of color.

We take great pleasure in offering this year for the first time to our customers:

Miss Carmen Camarillo. Hybrid Cactus. A beautiful flower of good substance and deep center. The petals gracefully waved and slightly curled. Flowers held erect on strong, tall stems, excellent for cutting. Color a glowing copper salmon changing to old gold at the base of the petals.. (Green plants \$3.00)\$5.00

Germain's Golden Sunburst. A flower of true decorative type, full to the center at all times. The petals are disposed in close, regular layers and very slightly curled. Measures 7 to 8 inches under ordinary garden cultivation without disbudding.. Color, a rich bright gold delicately tinted old rose deepening to carmine at the center. (Green plants \$3.00).. 5.00

La Fiesta. Decorative. A large, massive flower, very full, with broad, regular petalage. Flowers held well erect on stiff stems. Vigorous grower and heavy producer. Color a delicate and harmonious blending of Shell Pink and Cream. Exceedingly attractive. (Green plants \$3.00)..... 5.00

Choice and Rare Dahlias for 1932

Barbara Redfern. Decorative. One of the finest of recent California dahlias. It is a delightful blending of old rose and old gold with a pleasing lavender suffusion. The blossoms are of great size and depth and held upright on strong stems..... 1.50

Bronze Beauty. Exceptionally fine variety recently introduced. Very large handsome flowers of golden bronze..... 2.50

Elizabeth Pape. A tiny cactus variety which has attracted the greatest attention—color, a lovely salmon pink..... .50

Eldorado. Decorative. A very large flower of pure gold deepening to a richer tone at the base of the petals. A dahlia of great depth and excellent substance. Stems absolutely straight and stiff. Early and free flowering..... 1.00

Earl Williams. Decorative. Always popular. Color rich red striped and tipped with white..... 1.00

Fort Monmouth. Hybrid Cactus. An excellent variety, well formed, showy, color rich claret red..... 2.50

Jane Cowl. Decorative. Bronzy buff, shading to a glistening Apricot Orange center. A vigorous grower, producing enormous exhibition blooms of great beauty..... 2.00

Kissimee. Decorative. An outstanding flower in a combination of yellow, gold and ochre..... .35

M. H. DeYoung. Pure old gold, the best of its color. The large flowers are held high on absolutely stiff stems. Fine for exhibition and cutting..... 2.50

Nopal. A superb new Hybrid Cactus. Flowers of the largest size and perfectly formed. Color a rich glowing red that is brilliant and attractive..... 1.50

Orange Gold. Hybrid Cactus. This bright, colorful variety always attracts much attention. The shade, as the name implies, is a vivid golden orange. It is a most satisfactory dahlia in every respect..... 1.00



NEW DAHLIA

LA FIESTA

Pepper's Delight. Hybrid decorative. A delightful flower indeed. The shade is entirely novel, being a combination of creamy yellow and watermelon pink..... 1.50

Pink Champagne. This splendid variety is similar in many respects to Champagne Dahlia except that the color is a delightful light lavender pink..... 1.50

Queen of the Garden Beautiful. Pale lemon yellow. A giant in size and without doubt one of the largest dahlias ever produced. It has been a winner as the largest flower in many dahlia shows the country over..... 1.00

Richelieu. Decorative. A most desirable red Dahlia, good in every way..... 1.00

Tigerine. Decorative. One of the most unusual color combinations we have seen. A perfect tricolor, being yellow with red stripes in the center and surrounded by outer petals of salmon pink..... 2.00

Ten Grand Dahlias

Daddy Butler. Hybrid Cactus. Beautiful rosy maroon with lighter reverse..... .75

Dr. Tevis. Salmon rose, suffused gold and apricot. Decorative..... .50

Gladys Bates. Color tan with rose reverse. Petals beautifully curled. Decorative..... .75

Gold Rush. Decorative. Clear lemon yellow—one of the few really good yellow sorts we have seen..... .50

Kity Dunlap. Decorative. American Beauty rose. A splendid flower for all purposes..... .50

Mrs. Carl Salbach. Decorative. Everyone knows this favorite lavender variety. Splendid for cutting and garden alike..... .50

Pierrot. Cactus. True English cactus type. Deep amber, tipped white..... .50

Insuldine. Decorative. This well known variety is unique in its striking combination of autumn tints and its large blooms composed of broad curled and waved petals. Should be in every collection..... 1.00

Tryphinnie. Decorative. Bright shell pink with golden suffusion and yellow base..... .50

Valencia. Decorative. Chrome yellow with cadmiune orange shadings..... .50

Collection: One each of Ten Grand Dahlias \$5.25

GERMAIN'S

Los Angeles - - - Since 1871

Germain's Popular Dozen

- Emma Marie.** Decorative. A very attractive and useful sort. Very free flowering, good for cutting, good stems, and good foliage. Color clear pink with contrasting creamy white center..... .50
- Avalon.** A rich golden yellow decorative of great size and beauty. Remarkably fine cut flower, held erect on strong stems well above the heavy dark green foliage..... .50
- Flaming Meteor.** A decorative of great size and depth. Flaming scarlet and orange buff, a brilliant and luminous color combination. The position of the petals and entire make-up of the flower is remarkably regular and symmetrical..... 1.00
- InKyo.** Hybrid cactus, vigorous and floriferous. The large well poised blooms are very dark maroon, almost black..... 1.00
- Mrs. Ethel F. T. Smith.** Flowers of immense size. Cream shading to lemon center. Hybrid cactus..... .50
- Mrs. I. De Ver Warner.** Artistic well-shaped and truly immense in size. Color a bright mauve pink, always popular..... .50
- Mrs. John Bazant.** Large, perfectly double flowers of wavy formation. Creamy white, decorative..... .50
- Orange Boven.** Decorative producing quantities of perfect flowers on ideal stems. Bright orange, scarlet..... .50
- Ralph Ball.** One of the finest yellow dahlias. Glistening deep yellow with gold center. Decorative..... .75
- Robert Treat.** Strong growing decorative. Bright American Beauty Rose. A real acquisition to any collection..... .75
- Roman Eagle.** Decorative. Brilliant salmon orange, flowers large, deep and full. A tall and sturdy grower..... .50
- Rosa Nell.** Among the greatest of all decorative dahlias. a deep bright rose, most unusual and popular..... .75
- Germain's Popular Dozen Collection.** We have tried to group in this collection varieties which in form and coloring are truly representative of the best in modern Dahlias and will be a credit to any garden. The collection..... 7.00

Germain's Cut-Flower Mixture

All good cut-flower varieties, both large and small. All roots are fine and sound, but not individually labeled and we can therefore offer them at a real bargain. 3 for 50c; 6 for 95c; 12 for \$1.75.

Ten Lovely Cactus Dahlias

- Eagle Rock Sunshine.** Cactus. An elegant flower of cactus type. Large, good substance and a fine deep yellow in color..... .75
- Elizabeth Pape.** Miniature Cactus. The bushes are literally covered with beautiful diminutive flowers of bright, rosy salmon..... .50
- Exquisite.** Elegant salmon-pink with yellow center..... .75
- Helium.** Brilliant combination of orange over chrome yellow, very prolific. Long stiff stems..... .35
- Gladys Sherwood.** Hybrid Cactus. White Dahlias of real quality are not too plentiful. Gladys Sherwood is a glistening pure white of perfect form, large and free..... .75
- Jean Chazot.** Hybrid Cactus. Capucine red with golden suffusion..... .50
- Pink Delight.** A deep pink shading to maize yellow at the base of petals. Excellent stems and growing habits..... .50
- Mrs. Todd.** Hybrid Cactus. A real bright glowing red, on perfect stems, long bloomer. Highly recommended..... 1.50
- Tarantula.** Cactus. Salmon orange. Long narrow petals of true cactus type..... .50
- Norman.** True English Cactus with long narrow incurved petals and very double. Color a bright, medium red..... .75

Ten Fine Decoratives

- Mr. Crowley.** A bright glowing salmon pink, shading to yellow at the base of petals; the habit is dwarf. The medium size flowers are held erect on strong stems..... .50
- Polar Bear.** One of the best white dahlias..... .75
- Tommy Atkins.** Flaming scarlet with a metallic lustre..... 1.00
- Black Jack.** Extremely large flowers of deepest maroon. Tall, vigorous plants and strong, straight stems..... 1.00
- Ellinor Van de Veer.** Glowing rose pink, large blooms of regular formation carried high on stiff strong stems..... .75
- Hanny Van Waveren.** Delicate Amaranth pink, shading to a darker center. Broad flowers with very full centers.... .50
- King Harold.** Peony Decorative. Remarkable for its very dark color. Rich, deep maroon, almost black..... .50
- Jersey's Beacon.** Very vigorous, and a free and early bloomer. Brilliant scarlet with buff reflex..... 1.00
- Jersey's Beauty.** One of the outstanding newer dahlias which has won favor the world over. Clear pure pink in color..... .75
- Harry Mayer.** Decorative. A fine, large, pleasing lavender.. .75

FLAMING METEOR

Germain's "Old Favorite" Collection

- Bonnie Blue.** Show. Popular wherever seen. Its striking near blue color is unique..... \$.25
- Golden West.** The popular orange yellow cactus..... .25
- Delice.** Bright rose. Long the favorite pink. Decorative.... .25
- Mina Burple.** Decorative. Rich crimson..... .25
- Mrs. Alfred Stern.** Lavender pink, cactus..... .35
- Fernand Olivet.** Well known French maroon cactus..... .25
- La Doska Dowd.** Clear yellow with golden center..... .35
- Primrose Dame.** A beautiful cream and pink combination..... .35
- Germain's "Old Favorites"** have stood the test of time their continued popularity is proof of their intrinsic value. The collection of eight..... 2.00

DAHLIAS

California's Best

Pompon Dahlias

These elegant miniature-flowered or Pompon Dahlias have become very popular of late both for garden use and for cutting. They lend themselves admirably to florist work, making beautiful baskets, sprays, etc., and are prized by home gardeners for indoor display in vase or flower bowl. In the garden the rather dwarf bushy plants are always well covered with a multitude of small, brilliantly colored flowers.

Alewine. White tipped lavender pink.....	\$.35	Little David. Deepest orange, very free flowering.....	.35
Alice Rockwood. Pleasing shade of old rose.....	.50	Nelly Fraser. White ground, tipped rose.....	.50
Amber Queen. Amber shaded with apricot.....	.35	Prince Charming. Lavender heavily tipped purple.....	.35
Jonkheer Von Citters. A striking combination of yellow tipped orange red.....	.35	Scarlet Gem. Fine scarlet.....	.50
Anna Von Schwerin. True pink.....	.75	Tommy Keith. Red tipped white.....	.35
Aimee. Bronze.....	.50	Vivid. Bright scarlet.....	.35
Challenger. Dark red.....	.35	Yellow Gem. (New). Pure yellow.....	.50
Clarissa. Primrose yellow.....	.50	Copper. A pleasing copper shade.....	.50
Darkness. Deep maroon.....	.50	Delicacy. Silver phlox purple, tall growing and long stemmed.....	.35
Grass Am Wien. Crushed strawberry.....	.50	Little Sweetheart. Reddish center, quickly turning to white at tips.....	.35
Irene. A miniature decorative rose.....	.35	Tulla. Small, and perfect in form. Color, rich bordeaux red.....	.35
Jewelstje. Miniature decorative, of light pink.....	.50	Catherine. A medium sized flower of rich golden yellow, one of the very best in this shade.....	.35
Joe Fetti. Fine pure white.....	.35		



SUMMER FLOWERING BULBS

Giant French Anemones

These are among the most showy and beautiful of spring flowers; of neat and compact growth, with elegant foliage and the most brilliantly colored blossoms. They require but little attention and may be used to great advantage in solid beds or masses or in connection with other plants in the border. Their large velvety flowers are ideal for cutting, lasting several days in water.

Price: Large Bulbs, 3 for 25c; 75c per dozen; \$5.00 per 100. Small Bulbs, 50c per dozen; \$3.50 per 100.

Caladium (Elephant's Ear)

The leaves of immense size on massive stems, grow to a height of four feet. For a tropical effect this plant has no equal. First size, 25c each; \$2.50 dozen.

Calla Elliotiana (The Yellow Calla Lily)

This is the finest Calla grown; large, deep, rich golden yellow color. The leaves are spotted with white, habit like our old favorite White Calla. Ready for shipment January 1st. Flowering size, 25c each; \$2.50 dozen. Large size, 35c each; \$3.50 dozen. Mammoth size, 50c each; \$5.00 dozen.

Tuberose

Double Pearl. 15c each; \$1.50 dozen; \$10.00 per 100.

Mexican Everblooming Single. Delightfully fragrant, very free flowering and of the easiest culture. 10c each; \$1.00 dozen; \$7.00 per 100.

Ismene Calathina (Peruvian Daffodil)

Large, pure white, Amaryllis-like flowers of unusual appearance. Fragrant and beautiful. Culture same as Amaryllis. Large bulbs, 25c each; \$2.50 dozen.

Superb New Giant Amaryllis (A. Viitata Hybrids)

The most beautiful of all Amaryllis. The flowers average over 8 in. in diameter and range from white, through rose, carmine, red and crimson, to deep maroon. Mixed, most beautiful shades; extra choice. Large bulbs, 75c each; \$7.50 dozen. Medium size, 50c each; \$5.00 dozen.

Bella Donna. "Bella Donna Lily," rosy pink, delicately shaded with lavender, flowering before the leaves appear, very fragrant and fine for cut flowers, lasting fully a week when cut. Plant in a sunny position, leaving the neck even with the surface of the soil. 25c each; \$2.50 dozen.

Begonia Tuberous Rooted

This splendid class of begonias is perhaps the handsomest of all bedding plants for a shady or semi-shaded location. Bulbs may be started in pots early in February or in the open later in the spring. They prefer a rich sandy loam, and

should be covered to a depth of two or three inches. Ready about February 1st. **Single.** Separate colors—Rose, scarlet, yellow, bronze, white or mixed. 25c each; \$2.50 dozen.

Double. Separate colors—Scarlet, rose, orange, white, yellow or mixed. 35c each; \$3.50 dozen.

Lilium

Auratum. "Golden Banded Lily," the finest and most magnificent of the genus. Flowers white, spotted crimson with a distinct golden stripe running through each petal. 25c each; \$2.50 dozen.

Rubrum. "The Red Lily of Japan." Cormine rose on white ground, spotted with crimson. The most showy of Japanese lilies for the garden and an excellent cut flower. 25c each; \$2.50 dozen.

Tigrinum. "Tiger Lily," orange, spotted black, very showy. 25c each; \$2.50 per dozen.

The Eight Following Sorts, 35c Each; \$3.50 Per Dozen

Elegans Alice Wilson. A lovely variety, producing from three to eight large, well opened, finely shaped flowers of a deep, clear lemon color, with small spots.

Elegans Incomparable. An attractive, easily managed lily and handsome border plant. Flowers reddish apricot, spotted.

Elegans Kimbuse. A strong grower, flowers well formed, color orange-red with dark center.

Elegans Biligulatum. (Feu Kwam). One of the most striking, color rich red.

Elegans Mixed. A very beautiful group of showy Japanese lilies flowering in June and July and growing one and one-half to two feet high.

Japonicum (Kramerii). Color a beautiful clear pink, often shaded blush. Prefers a light loamy soil, containing some peat if possible, and should be planted eight inches deep as it is stem rooting. Grows three or more feet high.

Henryi. A very beautiful lily from central China growing all the way from four feet to eight feet, and often carrying as many as twenty bright orange-yellow, slightly spotted reddish brown flowers in August.

Tenuifolium (Siberian Coral Lily). Highly recommended for massing, rock gardens, etc. The flowers deep scarlet and of a waxy texture.

Lily of the Valley

Convallaria Majalis. Forcing pipe—very easy to grow indoors in sand or in bulb fibre. In the garden plant in moist and shady place. 10c each; \$1.00 doz.

Ranunculus

(Fair Maids of France)

Surprisingly bright and cheerful flowers in many shades of rose, red, salmon, yellow and white. They grow about 15 inches in height and are splendid for cutting or bedding.

Giant French Mixed. Extra large roots, \$1.00 dozen; \$7.50 per 100. Large selected roots, 60c dozen; \$4.00 per 100. Planting size roots (will bloom first season), 35c dozen; \$2.50 per 100.

Germain's Select Gladiolus Bulbs

Gladiolus may be planted practically all the year. They are of the easiest culture and thrive most anywhere. When in doubt, plant more Gladiolus.



American Beauty. American Beauty rose. throat yellow striped ruby. 25c each; \$2.50 dozen.

Belinda. Soft cream color. Large, broad flowers. Perfect spike. 15c each; \$1.50 per dozen.

Berty Snow. Superb new lavender, large and beautiful spike. 25c each; \$2.50 per dozen.

Betty Nuthall (New). Beautiful warm light coral, with pale orange throat. The flower spikes are tall and graceful, carrying from six to eight large, well expanded blooms open at one time. 50c each; \$5.00 per dozen.

Captain Boynton. Beautiful soft lavender with orchid blotch. 10c each; \$1.00 per dozen.

Copper Bronze. A beautiful and novel shade of orange flushed and marked with copper and bronze. 15c each; \$1.50 dozen.

Germain's are large growers of gladiolus. Our fields, situated at Camarillo, sixty miles north of Los Angeles, are a beautiful sight when in full bloom and are visited by thousands of interested visitors during the spring months.

David Starr Jordan. The spike is exceptionally tall and the individual flowers are immense in size, many open at one time and their shade is a rich deep crimson. 25c each. \$2.50 per dozen.

Dr. F. E. Bennett. Fine large spike. Flame scarlet with dark red throat. 10c each; \$1.00 per dozen.

Flaming Sword. Very tall, heavy texture. Brilliant flame red. 25c each; \$2.50 per dozen.

Giant Nymph. Tall soft rosy pink, creamy yellow throat, elegant flower. 10c each; \$1.00 per dozen.

Golden Dream. Rich deep yellow, tall and large flowered. 15c each; \$1.50 per dozen.

Golden Measure. Strong growth, rich golden yellow. 10c each; \$1.00 dozen.

Jack London. A splendid cut flower variety. Large light salmon with contrasting stripes of orange flame. 10c each; \$1.00 per dozen.

Mrs. Frederick C. Peters. Beautiful lilac shade with soft crimson blotch. 15c each; \$1.50 dozen.

Mrs. Francis King. Bright scarlet. A splendid red for every purpose. 10c each; \$1.00 per dozen.

Mr. W. H. Phipps. The last word in exhibition pink. This grand flower should be in every collection. 20c each; \$2.00 dozen.

Mrs. John S. Wood. One of the largest grown. Deep salmon flaked with scarlet and ruby. 15c each; \$1.50 per dozen.

Mrs. Leon Douglas. One of the largest and finest. Begonia rose, striped, marked with flame and scarlet. 15c each; \$1.50 per dozen.

Mrs. Van Konynenburg. The best Blue Gladiolus to date, in our opinion. Tall, elegant spike. Color a clear bluish violet. 25c each; \$2.50 per dozen.

Romance. Unusually distinct. Combination of orange, salmon and rose with red and yellow throat, wine-blue border. 25c each; \$2.50 per dozen.

Salmon Beauty. Fine deep salmon with salmon yellow throat. 10c each; \$1.00 per dozen.

The Orchid. Petals long and laciniated; color delicate lavender tinged with pink. Individual flowers remind one of a cattleya orchid. 20c each; \$2.00 per dozen.

Veilchenblau. Good blue, deep Violet purple in color.

Four Favorite Gladiolus

While these are old favorites with many growers they are ever in great demand because of their beauty and usefulness for cutting.

Price: 5c ea.; 50c per doz.; \$3.75 per 100

Mrs. Frank Pendleton. Lovely salmon pink with brilliant dark red blotch.

Los Angeles. A lovely flower, beautiful shrimp pink with carmine blotch.

Halley. Delicate salmon pink.

Virginia. A bright fiery red. The flowers are large, the stems strong yet graceful.

Twelve Fine Sorts

Price: 6c each; 60c dozen; \$4.50 per 100.

Alice Tiplady. A lovely orange saffron.

Arlon. Fine spike, rich salmon with red throat.

Catalina. A clear, bright shade of Cherry rose with yellow throat.

Gretchen Zang. Beautiful rose pink.

Le Marechal Foch. Flesh Pink.

Lily White. Snow white, lower petals tinged cream.

Mary Pickford. A charming creamy tone blending with a soft lemon color.

Orange Queen. Lovely bright orange, yellow tinted apricot.

Panama. Rich rose pink.

Scarlano. Bright fiery scarlet red.

Sheila. Light coral salmon fading to flesh pink in throat with primrose blotch on lower petals. Very good form with plenty of vigor.

Wilbrink. Delicate pale pink.

Nine Lovely Varieties

Price: 8c each; 75c dozen; \$5.50 per 100.

Carmen Sylva. One of the best pure white sorts.

Elf. Large, perfectly built spike. Color lemon yellow to pure white.

Ethelyn. A splendid shade of orange flushed gold.

Evelyn Kirtland. Charming bright coral pink, tall graceful stalk.

Herada. A rare and stately flower. The pure mauve color is exceptional.

Prince of Wales. Clear light salmon. The choicest salmon colored variety.

Rose Ash. General color effect, "Ashes of Roses." A favorite "smoky" sort.

Souvenir. The finest of all yellow primes.

Sunnymede. Clear golden Orange, a delightful and popular shade.

Germain's No. One Mixed. A very choice mixture of large bulbs and containing a full range of the most desirable colors. Highly recommended for cutting and all garden uses. Three bulbs for 15c; 60c dozen; \$4.50 for 100.

Germain's "Suburban Garden" Gladiolus Mixture.

This meets the needs of all who wish to make larger plantings of Gladiolus both for garden display and for cutting. All first quality and No. 1 size. 25 bulbs 80c; 50 bulbs for \$1.55; 100 bulbs for \$3.00

Germain's "Rainbow" Gladiolus Mixture.

A splendid mixture containing all the beautiful shades of the higher priced ones but composed of slightly smaller bulbs. A real "buy." 25 bulbs 65c; 50 bulbs \$1.20; 100 bulbs \$2.25; 500 bulbs \$10.00



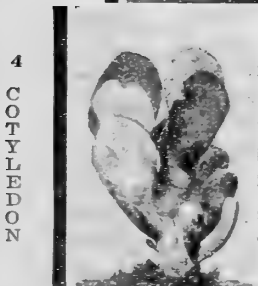
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OPUNTIA
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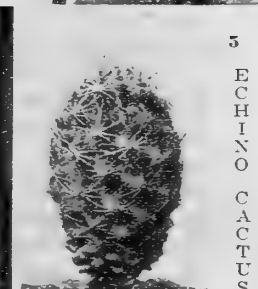
2
ECHINO
CEREUS



3
Opuntia
Ursina



4
COTYLE
DON



5
ECHINO
CACTUS

A NEW THRILL

. . . .for Plant Lovers

GERMAIN'S DESERT CACTI

Enjoy these intriguing plant forms in your home or give your friends a new thrill with a gift of the most unique and rare of house plants.

These sturdy plants can be readily shipped via express or parcel post and are easily made up into attractive Cactus bowls or potted singly for specimen plants. They are widely used also for Cactus gardens in frost free sections of the country.

CACTUS PLANTS (Not Potted)

Our collection of desert Cactus and Succulents contains over 30 varieties in many distinct types including Echinocactus, Opuntia, Echinocereus, etc. Order varieties shown by number, from 1 to 16. All these are offered in three sizes. (All bare root).

Large size35c each; postpaid 50c
Second size25c each; postpaid 35c
Small size15c each; postpaid 25c

SPECIAL COLLECTION OF TWELVE

A selection of twelve strong Cactus plants (all different and individually labeled) for \$2.00 or \$2.35 postpaid.

CACTUS PLANTS (In Pots)

Small and medium sized Cactus planted in small pots make most attractive house ornaments. Their quaint and novel appearance creates much interest.

Medium size Cactus in pots. Nos. 11, 12 and 13
50c each; postpaid 65c each

Small size Cactus in pots. Nos. 8, 9 and 10
35c each; postpaid 45c each

MADE UP CACTUS BOWLS

Cactus bowls have become exceedingly popular as house plants. They are very hardy, requiring a minimum of care.

SQUARE BOWLS (4-inch) with 2 Cactus. (No. 7) \$2.00 each; postpaid \$2.50.

ROUND BOWL (5-inch) with 4 Cactus. (No. 6) \$3.00 each; postpaid \$3.50.

LARGER BOWLS (as shown in No. 18) at \$4.50, \$6.00, \$7.50 and \$10.00.

CACTUS STAND—Wrought Iron Table Stand with 4 Cactus (in 4 distinct varieties) No. 17 complete for \$2.00 or postpaid for \$2.35.

CULTURAL HINTS

When potting or planting Cactus in bowls any kind of good garden soil may be used providing it is free from fresh manure or any decaying matter. A sandy loam containing some clay and with a little lime added is very good. Press the soil firmly around the plants and fill bowls to the top to avoid over watering. Always keep Cactus on the dry side. In the desert Cactus live for long periods without rain, but receive a little top moisture from the falling dew. Therefore it is good to give the plants a light sprinkle once a week.



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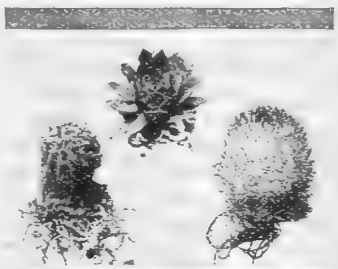
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11

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13



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17



18

GERMAIN'S

Los Angeles

California



Protect
Your
Plants

*Grow
Earlier
and
Better
Crops*

Germāco

Hotkaps



1
Place
HOTKAP
in Setter

2
Place
Setter
Over
Seed or
Plant



3
Cover
Outside
Edge of
HOTKAP
With Soil



4
Tamp
Soil
Around
Edge of
Setter



5
Remove
Setter From
HOTKAP.
One Man Can
Place 2500
HOTKAPS
per Day



Many thousands of acres in California are covered every year with Hotkaps. Growers, large and small, as well as the back-yard gardeners use them. Hotkaps are white cones, "Miniature Hothouses" that protect young plants from frost, insects, cold rains, ground crusting, etc. In California, growers can plant earlier as Hotkaps keep the soil warm underneath. They hold the heat during the cold nights, thus forcing the plant to earlier maturity.

Hotkaps are used by commercial growers to cover Cantaloupes, Watermelons, Tomatoes, etc. Around the home, on Vegetables of all kinds as well as flowers—Zinnias, Marigolds, Asters, Snapdragons, etc.

Hotkaps are quickly and easily set. One can set over 2,500 in a day. In your back-yard garden you can set fifty of them in thirty minutes. The illustrations on the left show how they are placed with the Hotkap setter and tamper which comes with each 100 and 250 packages.

For home gardens and small plantings we supply a special waterproof garden setter packed with the two smaller sized packages of Hotkaps; namely, 100 size, 250 size. The 1000 package, however, does not contain a Hotkap setter, and we recommend for 1000 or over that you use the Germaco Steel Hotkap Setter at \$2.65 each, postpaid.

HOME GARDEN PACKAGES

100 Hotkaps with Garden Setter and Tamper \$2.50—Total weight 4 lbs.

250 Hotkaps with Garden Setter and Tamper 4.00—Total weight 9 lbs.

COMMERCIAL GROWERS' PACKAGES

1000 Hotkaps only for \$11.00—Total weight 28 lbs.

5000 Hotkaps only for 53.75—Total weight 140 lbs.

10000 Hotkaps only for 105.50—Total weight 280 lbs.

Postage extra. For Parcel Post rates, see Page 1.

I find the use of "HOTKAPS" causes better germination of seed and better plants, keeping the soil warm, giving the plant a better start, protecting it against frost, wind, rain, bugs, birds, etc. Have used the covers on cantaloupes, watermelons, tomatoes, cucumbers, etc. Results were always satisfactory, getting my products on to an early market when returns were the best.

—W. V. STAHL Glendale, Calif.

GERMAIN'S PREMIUM VEGETABLE SEED

Since 1871 we have catered to the critical market garden trade. We have at all times only offered such varieties as were best adapted to the Great Southwest.

The following listing is composed of those varieties of vegetable seed that we consider the best for the market or home garden.

A great deal of experimenting and testing was necessary to complete this list and we only add to it when our trial shows that a new variety is worthy of a listing.

At our "Floravista Ranch" situated in the San Fernando Valley, we are continually testing and experimenting with old and new varieties. Hundreds of trials each year are completed so that we can offer to our customers the best the world affords.

You are invited to visit our trial grounds which are situated on Ethel Avenue, between Oxnard and Victory Boulevards. Here you will see the work that is carried on to enable us to offer to our valued customers the best in vegetable seed.



Hundreds of trials are made each year at our Florovista Ranch.

PLANT
A
VEGETABLE
GARDEN
THIS
SPRING



A photograph of a small portion of our trial grounds.

All Prices on this Page are Postpaid

ARTICHOKE

Alcachofa

Artischoke

Aurtichaut

Culture. Sow any time except during hottest weather, when all seed beds require special care. Soil should be a free, moist loam and seeds should be planted an inch deep. Plant out when six inches high in rows four feet apart each way. Save offsets from best plants for new supply, as artichokes never come true from seed, some will prove inferior.

ARTICHOKE LARGE GREEN GLOBE

A highly prized product of our gardens and peculiarly a California product as practically the entire acreage grown in the United States comes from the counties in California bordering on the Pacific Ocean. Under these weather conditions it develops a hardy vigorous plant with sturdy flower stems that carry buds the size of a teacup, the succulent lower portion of which is the edible part which has pleasing flavor unlike any other vegetable.

The artichoke when once established produces for several years and a few plants in your garden will amply repay you. Pkt. 10c, oz. 90c, ¼ lb. \$3.00, 1 lb. \$9.00.

ASPARAGUS

Esparrago

Spargel

Asperge

Culture. Soak seeds twenty-four hours before planting. Sow in February in beds broadcasted or in rows, covering about one inch. The following January transplant to rows three or four feet apart and a foot apart in the row, with at least six inches of soil over the roots. Light sandy soils are preferable.

Note. By planting two year old roots, much time and labor will be saved. See prices of roots, Page 102.

Mary Washington. This is a new rust resistant variety produced by government experts and is the best asparagus now grown and is displacing the older varieties. Oz. 30c ¼ lb. 90c; 1 lb. \$2.75.....\$.10

Palmetto. The best known and most popular of the standard varieties. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.25..... .10

Argenteuil. Another standard variety used largely by canners. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.25..... .10

We can also furnish roots of all above varieties at 35c dozen or \$2.50 per hundred.

PER PKT.



MARY WASHINGTON

GERMAIN'S

Los Angeles - - - Since 1871

BEANS

See Field Seed Section for other varieties, such as Bayou, Black Eye, Castor, Mexican Pink, Small Navy, Lady Washington, Soja.

ALL PRICES ON THIS PAGE ARE POSTPAID

Note—Prices up to and including ten pound quantities include postage or expressage prepaid. When sent otherwise deduct 10 cents per pound or fraction thereof. Prices listed for larger quantities, if desired sent by Parcel Post, necessary postage should be added. See our Parcel Post Schedule on page 3.

Culture. Beans respond very readily to good soil and cultivation. A light, rich, well-drained loam is the most desirable. The use of manure is advisable but should be used sparingly as it might make the plant run too much to vine. There is no plant more sensitive to cold and wet than the bean. We therefore advise not to plant until the ground has become dry and warm. The largest returns will result in planting in drills from 2 to 3 feet apart. Cover the seed one and one-half inches deep and thin the young plants 3 to 6 inches apart in the row. If planted in hills about 2 feet apart each way.

Keep them coming. For rotation, plant at intervals of from one to two weeks. The plants until time of blossoming should have frequent shallow cultivation, but any mutilation of the roots by cultivation after the plants come into blossom is likely to cause the blossoms to blast and so cut off the crop. Cultivation should always be very shallow and it is useless to expect a crop from a field poorly prepared as to need deep stirring after planting.

Beans—Dwarf or Bush, Green Pod

Burpee's Stringless Green Pod. Doubtless the best bean in its class and is used extensively by canners, market gardeners and in the home garden. It is early, vigorous in growth, entirely stringless, even when fully grown, pods 5 to 6 inches long, very thick and meaty and of unsurpassed quality. As our trade is large in this variety we have taken great pains to grow a fine, even, true to type strain that will prove satisfactory to the most critical planter. Seed medium size, yellowish brown. ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.....

.10

Bountiful. Similar in appearance to Early Long Yellow Six Weeks but an improvement on this old standby in every way. A thrifty and productive plant with handsome pods six or seven inches in length, and entirely stringless and of finest quality, remaining in good condition for snaps much longer. We are confident you will be more than pleased with this new improved strain of the Six Weeks type. Seed medium size, kidney shape, light yellow, somewhat darker around the eye. ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50

.10

Canadian Wonder. A very hardy large plant used by gardeners for winter crops as they do better than other kinds when weather is cold and wet; large, broad, handsome pods of good quality, seed large, rather flat, carmine colored. ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.....

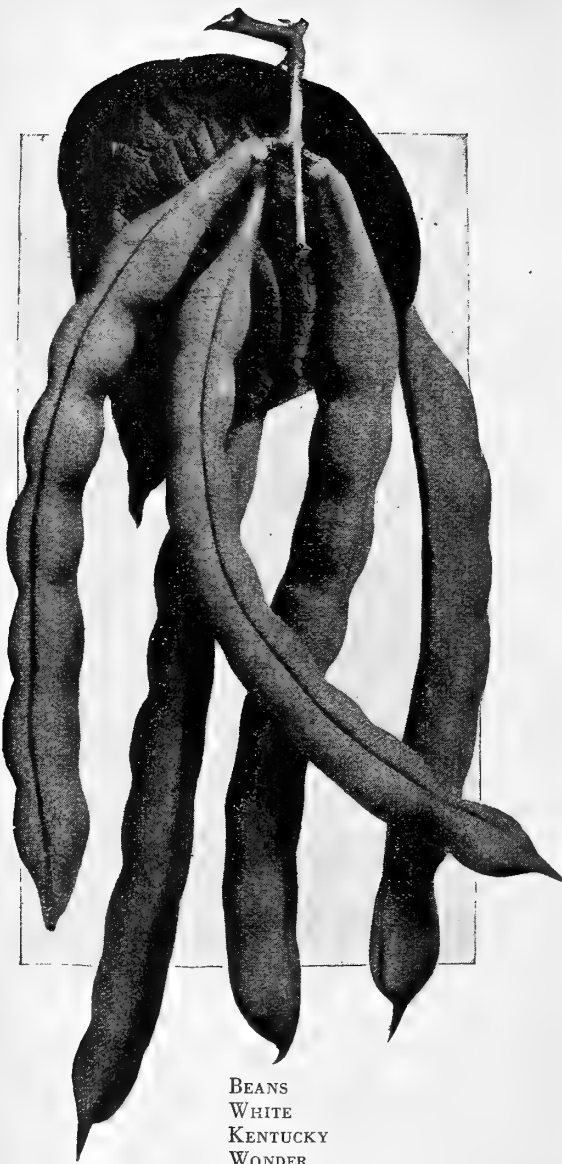
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French Mohawk. An early prolific variety, pods long, oval. Seed large kidney shape nearly blotched with reddish brown. ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.....

.10

Full Measure. This excellent variety is fast becoming popular with our gardeners. Pods are somewhat like stringless Green Pod but longer and more slender, about 5 inches long, of splendid quality and entirely stringless. We highly recommend this variety to our gardeners. Seed brown mottled. ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.....

.10



BEANS
WHITE
KENTUCKY
WONDER

Beans Bush, Wax Pod

Davis Wax on Ventura Wonder Wax. One of the best of Wax podded sorts for home garden. Very vigorous and hardy and will thrive in warm location better than any other wax bean. Pods very long, handsome, straight, light yellow, crisp and tender when young.

Seed medium size kidney shape, pure white and dry seed excellent for winter use which adds to its popularity as the ripened seed are as good in every way as the small whites for baked beans. ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50

.10

Golden Wax. The best early wax pod. Plants medium size and very productive. Pods medium size flat and of best quality. Seed oval white with purple blotching around the eye. ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.....

.10

New Kidney Wax. A recent introduction that has become very popular with our market gardeners. It is a second early variety, plant vigorous, with a heavy setting of very attractive pods. Long, straight, round, a light wax-like yellow and of finest quality. Seed white, kidney shape, with dark blotch around the eye. ½ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.....

.10

SEEDS

California's Best

Beans Pole

Kentucky Wonder. This is the leading all around pole bean being used alike for home gardens, market gardens and canners. It is early, vigorous, of good climbing habit. Pods very large. 8 to 10 inches, bright green, round, fleshy and somewhat crooked and crumpled as they mature but keep in eating condition till fully grown.

A few plants of this variety will furnish your table with the best of snap beans for a good part of the summer.

Seed long oval of a dull brown color. $\frac{1}{2}$ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50..... .10

Kentucky Wonder White Seeded. Largely used by local market gardeners as it has an abundance of large tender pods and is two weeks earlier than the Brown Seeded Kentucky Wonder. Seeds snow white when ripe and are good used as dry beans. $\frac{1}{2}$ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50..... .10

Kentucky Wonder Rust Resistant. A strain of Kentucky Wonder, that is rust resistant, and should be planted in sections where beans are subject to rust. $\frac{1}{2}$ lb., 25c; 1 lb. 40c; 10 lbs. \$3.50..... .10



BEANS
DAVIS WAX



BEANS
STRINGLESS GREEN POD

Kentucky Wonder White Seeded Rust Resistant. The rust resistant strain of white seed Kentucky Wonder. $\frac{1}{2}$ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50.

If your beans are subject to rust plant the Rust Resistant Strains.

Kentucky Wonder Wax. An early and hardy bean somewhat resembling the Kentucky Wonder except in color of pods which are light yellow, broader and fully as good quality. If a wax podded bean is desired for home or market this is the one best variety to plant; seed oval, flattened, somewhat shriveled, dark brown. $\frac{1}{2}$ lb. 25c; 1 lb. 40c; 10 lbs. \$3.50..... .10

Asparagus or Yard Long. An introduction from the Orient, very vigorous and productive with pods two feet or more long which are round, tender, of good quality. You will find it an interesting novelty and somewhat different in taste from other kinds; seed reddish brown and very small. $\frac{1}{2}$ lb. 75c; 1 lb. \$1.50.. .10

Scarlet Runner. Largely planted for its brilliant scarlet flowers although it is also good as a snap bean when young, may also be used green, shelled. $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00..... .10

Broad Beans

Germain's English, or Broad Windsor. The celebrated broad bean of England, growing on a strong stalk two feet high; beans eaten shelled. 1 lb. 25c; 10 lbs. \$2.00..... PER PKT. \$.10

GERMAIN'S

Los Angeles - - - - Since 1871

BEANS

Prices up to and including ten pound quantities include postage or expressage prepaid. When sent otherwise, deduct 10 cents a pound or fraction thereof. Prices listed for larger quantities, if desired sent by Parcel Post necessary postage should be added. See our Parcel Post Schedule on inside front cover page. If quantities are desired, write for special prices.

Lima Beans

Frijole

Bohne

Haricot Nain

Culture. Beans for the home garden should be a continuous summer crop, and sowings may be made from the middle of March to September. Plant two inches deep. Have drills one and one-half to two and one-half feet apart, according to variety; directions will be found on individual packets for the respective sorts. The average amount needed to plant an acre is fifty pounds. One pound will sow one hundred feet of drill. They will thrive in any good soil.

Bush Varieties

Fordhook. The best of the Bush Limas, sometimes called Butter Beans, grows a vigorous erect bush with large pods containing three to five beans, in clusters making picking easy.

Beans are large, very thick, white with a tinge of green and of finest quality. Our stock of this splendid variety is very superior and we highly recommend it for your garden. ½ lb. 20c; 1 lb. 45c; 10 lbs. \$4.00.....\$.10

Henderson's Bush Lima or Baby Lima. A very early and prolific variety. Beans small flat and of fine quality, can be grown in interior valleys, where the large seeded varieties do not thrive. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.0010

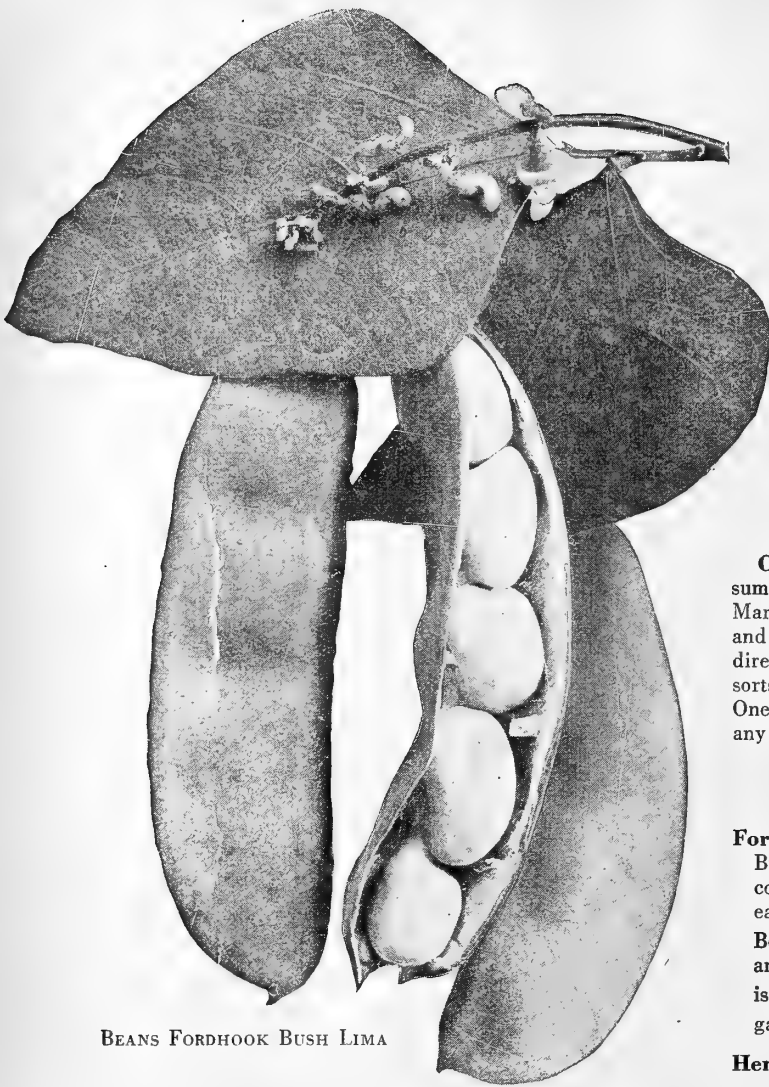
Burpee's Improved Bush Lima. The earliest maturing of all the large seeded Limas. Pods very large, thick, and contain usually four beans of large size and excellent quality. ½ lb. 20c; 1 lb. 45c; 10 lbs. \$4.00..... .10

Pole Varieties

Giant Podded Pole Lima. The largest podded of the Limas, pods of enormous size and contain 4 to 6 large beans of finest quality. ½ lb. 30c; 1 lb. 55c; 10 lbs. \$5.00\$.15

King of the Garden. Perhaps the most popular of the Pole Limas, pods large and well filled with beans of excellent quality. ½ lb. 20c; 1 lb. 45c; 10 lbs. \$4.00..... .10

Monstrous Lima. Differs from other varieties in that it continues to bear several successive crops, planted in favorable location in early winter it will mature crop in the spring. If vines are pruned after crop is picked you will get a fall crop. Owing to their great size they are usually planted in hills 4x6 ft. Coming at a season when other Limas are not in market, they are a big money maker for the gardner. ½ lb. 35c; 1 lb. 60c; 10 lbs \$5.50.. .15



BEANS FORDHOOK BUSH LIMA

FORDHOOK BUSH LIMA

Fordhook is the latest introduction among the Bush Limas but on account of its vigor, productiveness and superior quality it is now the leader in amount used by a large margin.

Our stock of this splendid variety is grown with great care and careful selection and the seed we offer will give entire satisfaction to the most critical planter. Either used as green shelled or dry for winter use the Fordhooks will supply your table with the best.

"We are using liquid Semesan on our lettuce plants to prevent damping off, with excellent result."—O. W. Scott, Kansas.

"When I put my egg plants into the field, it looked as though every one would die. I was advised to treat them with Semesan, and after doing so, every plant grew. The egg plants that were treated were much larger than the untreated plants."

C. W. Goldy, New Jersey.

NITRAGIN

Beans belong to the legume family. Agricultural colleges advise inoculation for all legume seeds. Nitragin, the original legume inoculator, applies nitrogen-gathering germs directly to the seed. It is very inexpensive to use. ¼ bu. size will inoculate 15 lbs. of seed, price, 40c; ½ bu. size will inoculate 30 lbs. of seed, 60c; 1 bu. size, will inoculate 60 lbs. of seed, \$1.00; 5 bu. size will inoculate 300 lbs. of seed, \$4.75, the above prices being postpaid.

Be sure to specify the kind of legume seed you wish to inoculate when ordering. In using Nitragin, you not only maintain but also restore your soil fertility, thus producing larger and more profitable yields.

SEEDS

California's Best

BEET

Note—Prices listed are postpaid.

Table Beets

Remolacha Rothe Ruebe Betterave

Culture. This is one of few vegetables that can be grown the year around. A beet patch completes the garden. Seed planted at intervals of three weeks will keep beets coming in rotation. The seed should be sown in drills 15 inches apart and 1½ inches deep, and covered by hand unless following field culture. (The use of a rake for this purpose disturbs the seed and often draws the seed out of the ground. The result will be an irregular row.) Thin out then to 4 to 6 inches apart in the row. These young beets are excellent used as spinach. Frequent cultivation is essential to produce a successful crop.

PER PKT.

Extra Early Egyptian. A splendid variety that matures sooner than any others. Tops small, roots small, dark red, somewhat flattened and of good quality. Plant it for first early crop. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.....\$.10

Improved Crosby or Early Wonder. As early and desirable as the original Crosby, and of better color, being less of the light zoning. Tops small, roots very smooth and uniform making it an ideal beet for bunching. Our stock of this desirable variety is the best obtainable. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... .10

Detroit Dark Red. The best general purpose variety on the list. Not quite so early as Egyptian but of finest quality. Roots medium size, nearly round and dark blood red color with no light zoning, making it especially desirable for canning and equally good for home use or bunching for the market. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... .10

Swiss Chard, or Silver. Cultivated for its leafstalks, which are served like asparagus, and for its leaves, cooked like spinach. Cut often, as new stalks will be produced. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... .10

Swiss Chard Lucullus. A new variety. Leaves very crinkled of an attractive light green color and very thick and fleshy. Easily grown and furnishes a supply of good greens for a long period. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.... .10

ROOT CROPS

Note—Prices listed are postpaid.

Write for Quantity Prices

Stock Beets

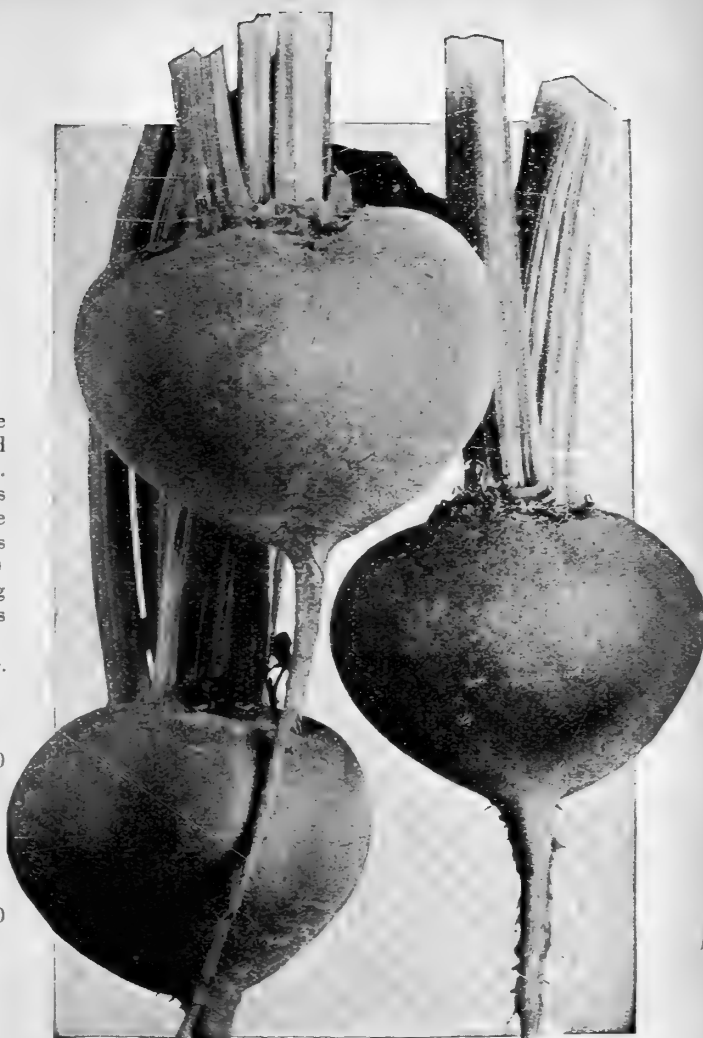
Culture. Stock Beet seed should be sown about one-inch deep, in well-cultivated soil in drills eighteen inches to three feet apart (depending upon the method of cultivation). When the plants are sufficiently large, thin out to stand ten to twelve inches apart in the rows. The seed is generally sown at the rate of eight to ten pounds per acre.

Varieties

PER PKT.

Mammoth Long Red. There is no other root crop grown which produces so large a tonnage per acre as the Mammoth Long Red Beet. Our strain of Mammoth Long Red is exceptionally fine and expressly grown for our own trade from selected well-shaped roots.

This Beet has a distinct appearance; roots are massive, straight and uniform in size, broad shouldered, free from coarseness and of most excellent feeding and keeping qualities. 1 lb. 60c; 10 lb. lots \$5.50, postpaid.....\$.10



BRUSSELS SPROUTS

Note—Prices listed are postpaid.

Berza de Bruselas Rosenkohl Chou de Bruxelles

Culture. Sow in September and October and treat same as Cabbage.

PER PKT.

Germain's Half Dwarf Paris Market. A half dwarf sort, bearing handsome crops of round, hard sprouts of the finest quality. Oz. 30c; ¼ lb. 90c; 1 lb. \$2.75.....\$.10

Giant Half Sugar. This variety is one of the favorites among the dairymen and hog raisers. It is very sweet and nutritious, as it has a larger sugar content than the ordinary mangel. It is a cross between a sugar beet and a regular mangel wurzel, therefore its name. It is also a splendid yielder and good keeper. 1 lb. 60c; 10 lb. lots \$5.50, postpaid..... .10

Golden Tankard. This is also a very popular variety. The roots are large, ovoid, but filled out at top and bottom, terminating with a small tap root; flesh deep golden yellow, solid, crisp, sweet and rich. Does not keep quite as well as the two above mentioned varieties. 1 lb. 60c; 10 lb. lots \$5.50, postpaid..... .10

Sugar Beets

This is a variety that can be planted for stock food purposes. The tonnage per acre will not be as great as above mentioned varieties, but the sugar content will be much higher. 1 lb. 60c; 10 lb. lots \$5.50, postpaid..... .10

GERMAIN'S

Los Angeles - - - Since 1871

Note—Prices listed
are postpaid.

CABBAGE

Col Repollo

Kopfkohl

Chou Pomme

Culture. Knowing the first essential of successful cabbage growing to be good seed, we have always obtained our seed from expert seed growers, and therefore we enjoy an enormous volume of business on this variety of vegetable.

We advise the planting of seed in beds or land of light, rich texture at a depth not to exceed $\frac{1}{2}$ -inch; and the soil should be pressed firmly over the seed. The plants should not be allowed to crowd one another before they are transplanted, but as soon as large enough to be handled should be lifted out to their permanent place. For early varieties, such as Winnigstadt, plant in rows 3 feet apart, plants 1 foot apart in the row. The larger headed varieties, $1\frac{1}{2}$ feet apart in the row. For the permanent field, soil of a firm, stiff, rich nature is preferred. Immediately after transplanting, the plants should be watered and constant, deep cultivation is very essential. A cool, moist climate seems to be the most suitable of all for the culture of cabbage which generally grows to greater perfection in the coast region. Sudden changes of temperature have a tendency to make cabbage go to seed and growers should watch them carefully to see that their field is moist but properly drained. Sudden check in growth is prevented by this care.

Copenhagen Market. This rather recent addition to our list of cabbage is now the leader in the round headed varieties and is the most desirable all purpose cabbage we list. For earliness, sure heading, uniformity in size and shape and superior quality, it easily takes first place. Our stock is carefully selected with the view of inducing our customers to plant this splendid variety year after year.

Oz. 45c; $\frac{1}{4}$ lb. \$1.50 1 lb. \$4.50.....	PER PKT. .10
-----------------------------------------------------	--------------

Early Winnigstadt. Tho an old variety, Winnigstadt is still the leader in the pointed headed list being early, very hard, sure heading and of superior quality. Our stock is from the best sources carefully selected and will give entire satisfaction for the home garden, market gardener, or shipper.

Oz. 35c; $\frac{1}{4}$ lb. \$1.20; 1 lb. \$3.50.....	.10
------------------------------------------------------	-----

Danish Ball Head or Hollander. A very solid, hardy, late variety of finest quality. Best for winter keeping.

Oz. 45c; $\frac{1}{4}$ lb. \$1.50; 1 lb. \$4.50.....	.10
------------------------------------------------------	-----

Early Flat Dutch. Very hardy, handsome, very solid, of fine quality, and as one of the very best keepers, it is particularly desirable for distant markets or for late spring use. Compact growing, with long stems and exceedingly hardy in resisting cold and dry weather.

Oz. 35c; $\frac{1}{4}$ lb. \$1.20; 1 lb. \$3.50.....	.10
------------------------------------------------------	-----

Late Flat Dutch. A low-growing variety; heads large, bluish green, round, broad and flat on top; an excellent fall and winter variety; good keeper.

Oz. 35c; $\frac{1}{4}$ lb. \$1.20; 1 lb. \$3.50.....	.10
------------------------------------------------------	-----

Drumhead Savoy. The best of the Savoy type, large solid heads, deep rich green color.

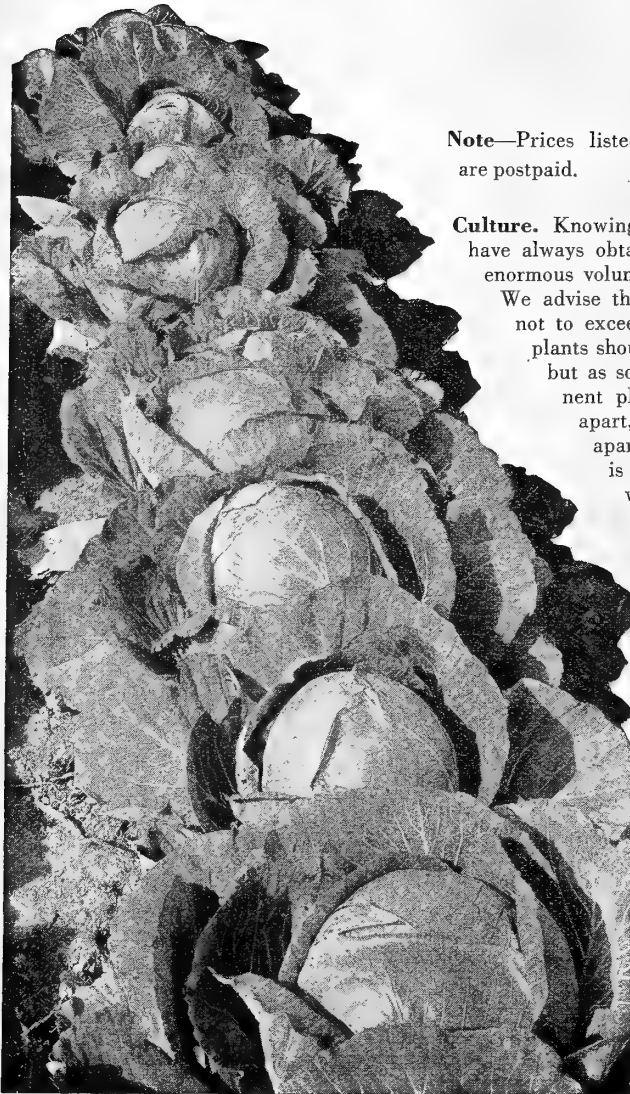
Oz. 40c; $\frac{1}{4}$ lb. \$1.35; 1 lb. \$4.0010
-------------------------------------------------------	-----

Red Dutch or Pickling. Fine solid dark red heads very desirable where a red cabbage is wanted.

Oz. 35c; $\frac{1}{4}$ lb. \$1.20; 1 lb. \$3.50.....	.10
------------------------------------------------------	-----

Golden Acre Cabbage. One of the earliest varieties of cabbage. It is dwarf in habit; resembles the Copenhagen Market Cabbage but smaller heads, averaging $2\frac{1}{2}$ to 3 pounds in weight. Due to its small size it can be planted 12 to 14 inches apart in the row. Our seed is an extra fine strain.

Oz. 50c; $\frac{1}{4}$ lb. \$1.75; 1 lb. \$5.00.....	.10
------------------------------------------------------	-----



CABBAGE COPENHAGEN MARKET

BROCCOLI

Note—Prices listed are postpaid.

Broculi

Spargelkohl

Brocoli

Culture. Broccoli like the cauliflower is a cultivated variety of the wild cabbage which is grown for the sake of the head, which is similar to cauliflower. Heads are smaller than cauliflower. To secure broccoli at its best we advise growing your own and picking one hour before cooking. Culture the same as cauliflower.

White Cape. Heads of medium size, compact of creamy-white color.

Oz. 90c; $\frac{1}{4}$ lb. \$3.00; 1 lb. \$9.00.....	PER PKT. .10
------------------------------------------------------	--------------

St. Valentine. A variety grown commonly in Oregon and Washington for the Eastern market.

Oz. \$2.00; $\frac{1}{4}$ lb. \$6.50; 1 lb. \$20.00.....	.15
----------------------------------------------------------	-----

BROCCOLI GREEN SPROUTING

(Glory of Calabria)

A new member of the Broccoli family to be used in this country. The edible portion differs from other Broccolis in use in that the flower heads are borne on long stems which are cooked and eaten along with the flower and are of a very mild flavor having none of the distinct cabbage flavor so common in this family of plants.

Oz. 90c; $\frac{1}{4}$ lb. \$3.00; 1 lb. \$9.00.....	.10
------------------------------------------------------	-----

SEEDS

California's Best

CAULIFLOWER

Note—Prices listed art postpaid.

Coliflor Blumenkohl Chou-fleur

Culture: Prepare the seed-bed carefully, using only rich and thoroughly pulverized soil. Good results are obtained by keeping the plant in a healthy and rapidly growing condition. Broadcast the seed in the seed-bed prepared, sowing the early varieties from May 15th to July 1st; medium early varieties May 20th to July 5th; and late varieties any time from June 25th to Aug. 25th inclusive. When the plants are 40 days old, they are ready for the field. Transplant to 15 inches apart in rows 30 to 36 inches apart. Do not leave plants in the hot-bed over 45 days as the stems become hard and poor results follow. Keep the plants vigorous and growing.

Due to different localities requiring a different time of planting of Cauliflower, we advise your writing us for specific planting information, which we will be glad to give.

Early Snowball. It is a snow-white Cauliflower and its leaves have a tendency to over-lap at the top of the flowers. In this way, it protects from injury, exposure to frost, rain or heat. It is very essential that good cauliflower be so protected on account of shipping, and in this, our strain is perfect. Our market garden trade is immensely pleased with this strain and our business on it has grown to very large proportions. ¼ oz. 90c; 1 oz. \$2.50; ¼ lb. \$7.50; 1 lb. \$30.00 .20

Germain's Early Snowflake. This type should be planted from June fifteenth to the first of July. We, however, do not recommend the planting of cauliflower too early because of the possibility of its heading prematurely, and climatic conditions also have considerable to do with the success of the grower. Price ¼ oz. 65c; 1 oz. \$2.00; ¼ lb. \$6.65; 1 lb. \$20.00 .20

Germain's Medium Snowflake. Plant from May twentieth to July fifth. This is the money-maker for the market grower as it becomes ready for the market at the time when prices are best. Price ¼ oz. 65c; 1 oz. \$2.00; ¼ lb. \$6.65; 1 lb. \$20.00 .20



CAULIFLOWER EARLY SNOWBALL

PER PKT.

Germain's Late Snowflake. Here we have a distinctive type which should be planted June 25th to August 25th. This is a taller plant than the other type as it grows to a height of three feet or more. It should be planted two feet apart in rows three feet apart. Price ¼ oz. 65c; 1 oz. \$2.00; ¼ lb. \$6.65; 1 lb. \$20.00 .20

Chinese Cabbage

Chinese White. A valuable contribution to our list from China where it has been grown for centuries. Habit of growth like Cos-lettuce, seed sown in rows, 30 inches apart and thinned to 12 to 15 inches in rows.

Outer leaves delicate light green, inner leaves blanched to a creamy white, delicate and fine flavored either as salad or cooked like ordinary cabbage. Oz. 50c; ¼ lb. \$1.65; 1 lb. \$5.00 .10



CABBAGE
WINNING
STADT

55A—Dollar Collection VEGETABLE SEED

Just the assortment for a small plot of ground about 20 x 30 feet.

Two packets each: Beans, Burpees Stringless Green Pod; Beans, Kentucky Wonder.

One packet each: Sweet Corn, Oregon Evergreen; Beet, Crosby Egyptian; Carrot, Oxheart; Onion, Southport White Globe; Radish, White Icicle; Turnip, Purple Top White Globe; Lettuce, New York; Spinach, Prickly; Cucumber, Early Fortune.

The Collection (value \$1.40)

will be mailed to you complete, with full instructions, \$1.00 postpaid, for.....

GERMAIN'S

Los Angeles - - - - Since 1871

CARROTS

Note—Prices listed are postpaid.

Zanahoria

Moehre

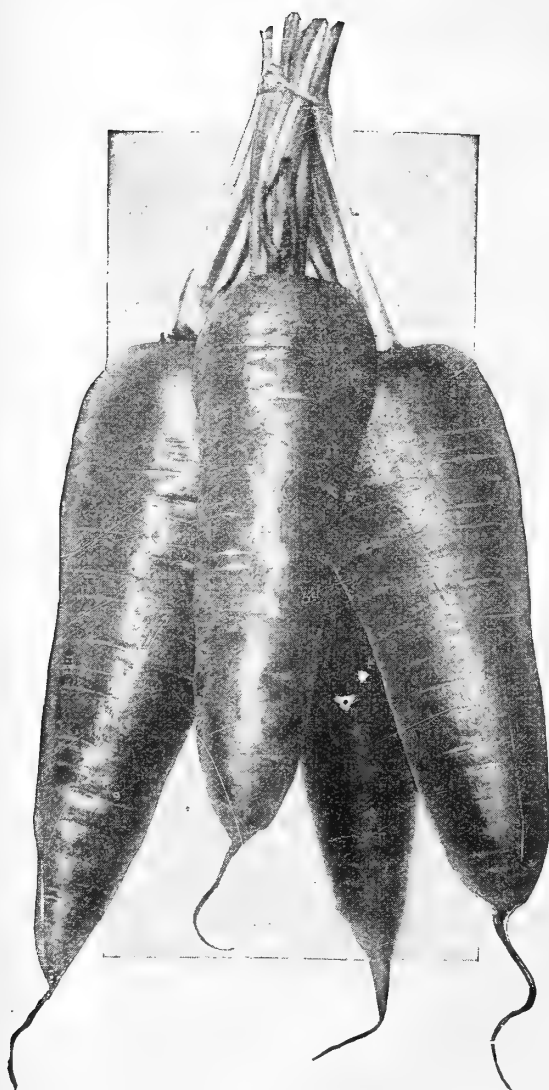
Carrotte

Culture. Sow any time in deep, loose soil, preferably sandy loam about one-half inch deep, in rows eighteen inches apart and thin to three inches apart. Water freely at all times. The carrot is one of the most wholesome and nutritious of our garden roots, deserving to be more extensively used for culinary purposes and we urge our readers to give some of the early table sorts a trial. For feeding stock, especially horses and milch cows, the carrot cannot be surpassed, and it should be more largely grown by farmers for this purpose. One ounce of seed will sow about 150 feet of row. Four pounds to the acre.

French Forcing. The earliest variety, short, globular shape good quality. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50..... PER PKT. \$.10

Chantenay. The best of the early carrots about 6 inches long, stump rooted, smooth, fine grained and sweet; a fine sort for bunching, for market, or for home gardens. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... .10

Danvers Halflong. Within the last few years the growing of carrots in large acreage for shipment to eastern markets has grown by leaps and bounds and practically all of the hundreds of carloads shipped are Danvers Halflong. To be chosen for such a purpose proves they are the right size, the right color and the right quality. None better for home gardens. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... .10



DANVERS HALF LONG

Long Orange. A fine carrot for light porous soil but not suitable for hard or heavy soil. None better in quality. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00.... .10

Oxheart. A short, thick variety, the best to plant on heavy soil where it can be easily lifted. A very heavy yielder and excellent quality. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... .10

White Belgian. For stock; grows to enormous size, one-third out of ground. Oz. 20c; ¼ lb. 30c; 1 lb. 90c..... .10

Yellow Belgian. Like white except in color. Oz. 20c; ¼ lb. 30c; 1 lb. 90c..... .10

CELERIAC

Note—Prices listed are postpaid.

Culture. It is grown in nearly the same way as common celery and like this vegetable, requires good rich, moist, mellow, and well-manured soil. It is generally sown in seed beds in February and can be planted until May. When about 4 to 6 inches high the plants should be removed from seed bed and planted 12 inches in the rows and the rows should be about 18 inches apart. Plants require no further attention than frequent watering and it is necessary to have the ground well cultivated and free from weeds.

Celeriac, Large, Smooth Prague. It is a turnip-rooted celery of distinctive flavor similar to celery. It makes a wonderful salad when cooked and cut cold. Oz. 35c; ¼ lb. \$1.20; 1 lb. \$3.50..... PER PKT. \$.10



CHANTENAY

SEEDS

California's Best

CELERY

Note—Prices listed are postpaid.

Apio

Sellerie

Celeri

Culture. Sow from February to May in drills one foot apart. Later, usually in June, transplant to rows four feet apart and six inches apart in row. Rows should be furrowed out so plants may be set six inches deep. Later, soil may be banked against rows for blanching, even so-called self-blanching varieties needing the cool, moist soil to render the stalks crisp and tender, but this should not be done until a few weeks before harvesting. One ounce of seed will produce 5000 plants. PER PKT.

Golden Self Blanching French Grown. Old Strain. For years this has been the leading variety of celery grown. and thousands of carloads are shipped out of California each year. It produces a rather short blocky head of finest quality, blanches easily to a beautiful golden yellow and especially on very rich land is still in great demand by our growers. Oz. \$1.50; ¼ lb. \$5.00; 1 lb. \$15.00.....\$.10

Golden Self Blanching French Grown. New Type. A late development of the original strain which grows taller. Takes a little longer to mature but produces wonderful crops of finest quality celery. Our stock is imported from the best French sources and put up in original sealed bags for the further protection of our customers. Oz. \$1.50; ¼ lb. \$5.00; 1 lb. \$15.00.....\$.10

Golden Self Blanching, California Grown. Much like the new type French, and considered by many growers of equal quality. Oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00.....\$.10

White Plume. A very early variety of attractive appearance and good quality valuable where earliness is desired. Oz. 35c; ¼ lb. \$1.20; 1 lb. \$3.50.....\$.10

CHICORY

Note—Prices listed are postpaid.

Achicoria

Cichorie

Chicoree

Culture. Sow any time except hottest weather, though early spring is preferable, in rows eighteen inches apart and three or four inches apart in row. A deep-rooting plant requiring little care if soil is moist. PER PKT.

Large Rooted Magdeburg. This variety is grown for its roots, which are dried or roasted and ground as a substitute or adulterant for coffee. The leaves can also be used but should be cut when fresh. They make a splendid salad. To secure large roots, soil should be light, rich and deeply worked. Plants should be thinned from 4 to 6 inches. Oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.....\$.10

Witloof or French Endive. Is used as a salad and is most delicious served with French dressing and eaten like lettuce. Seed should be sown in June, July and August in drills 12 to 18 inches apart and the seedlings should be thinned out to stand not closer than 3 inches. In the fall, lift the plant, trim off the leaves and store in sandy soil in a cool place until wanted for forcing. The roots should be planted upright about 1½ to 2 inches apart in a trench 16 to 18 inches deep. This brings the neck of the root within 9 inches of the level of the surface of the trench, which should be filled with light soil. It requires about one month to force the root. The heads are then cut off with a small portion of the neck of the root attached. We recommend this vegetable to those who enjoy a salad of exceptional flavor. It can be easily grown if these directions are carefully followed. Oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.....\$.10



CELERY
GOLDEN SELF
BLANCHING

CHERVIL

Note—Prices listed are postpaid.

Perifolio

Kerbel

Cerfeuil

Culture. The seed may be sown throughout the entire year in open ground where the crop is to be grown, but in very hot weather it is better to sow in a shady position with a northern exposure. The leaves can be cut in from 6 weeks to two months from date of sowing.

The leaves are aromatic and they are used for seasoning and in salads. This vegetable is used a great deal by the English. For further culture same as parsley. PER PKT.

Curled. Is a vigorous grower, handsome and ornamental. It has a pleasing flavor and is highly recommended for garnishing, also for flavoring soups. Oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.....\$.10

COLLARDS

Note—Prices listed are postpaid.

Culture. A plant similar to cabbage. It does not, however, produce a head, the central leaves often forming a loose rosette. They are tender and are used as a pot herb like kale. They are also desirable as greens for poultry or rabbits. The same culture is applied as to cabbage, except spacing; plant 3 feet apart in rows 3 feet apart when in field. PER PKT.

True Georgia. A strong growing variety with light green leaves. Oz. 20c; ¼ lb. 65c; 1 lb. \$2.00.....\$.10

GERMAIN'S

Los Angeles - - - - Since 1871

CORN

Sweet or Sugar

All Prices on this Page are Postpaid.

Maiz

Mais

Mais

Culture. Sweet corn should not be planted until in the spring when all danger of frost is past. The soil preferred is one rich and moist. Corn is not a lazy man's crop, as continual cultivation is necessary.

Plant in hills 18 inches apart with rows 3 feet apart. Three or four seeds may be planted in each hill but not more than two allowed to stand. As "suckers" or excess shoots appear they should be removed as they take strength from the mother plant. Whenever soil presents an appearance of drying, irrigate. To prevent the Corn Ear Worm we recommend Corona Dry.

Note—Prices up to and including ten pound quantities include postage or expressage prepaid. When sent otherwise, deduct 10 cents per pound or fraction thereof. Prices listed for larger quantities if desired sent by Parcel Post, necessary postage should be added. See our Parcel Post Schedule on page 1. If quantities are desired, do not fail to write for special prices.

Early Adams. Not a sweet corn but used largely for first early as it is very hardy, and matures quickly is tender and good quality. Can be grown successfully in the hot valleys. $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....\$.10

Golden Bantam. The leading variety for early home garden planting, ears though small are numerous and of finest quality very sweet and tender. $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....\$.10

Golden Giant. We introduced this splendid variety last year and it has sold beyond our expectations and is rapidly becoming a favorite.

The plant is sturdy and vigorous with usually two fine symmetrical 12-rowed ears with a heavy husk. It is fully a week earlier than Oregon Evergreen with the tender luscious melting quality of Golden Bantam, which makes it not only an ideal corn to plant for the home garden but we firmly believe will readily make a place for itself among market gardeners.

Do not fail to try Golden Giant as it is of Golden Bantam quality, is earlier than other main crop varieties, and a heavy producer. Price, $\frac{1}{2}$ lb. 25c; 1 lb. 45c; 10 lbs. for \$4.00.....\$.10

Black Mexican. Regarded by many as the best second early sweet corn, very sweet and tender. Ears are white when in eating condition, turning black as it matures. $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....\$.10

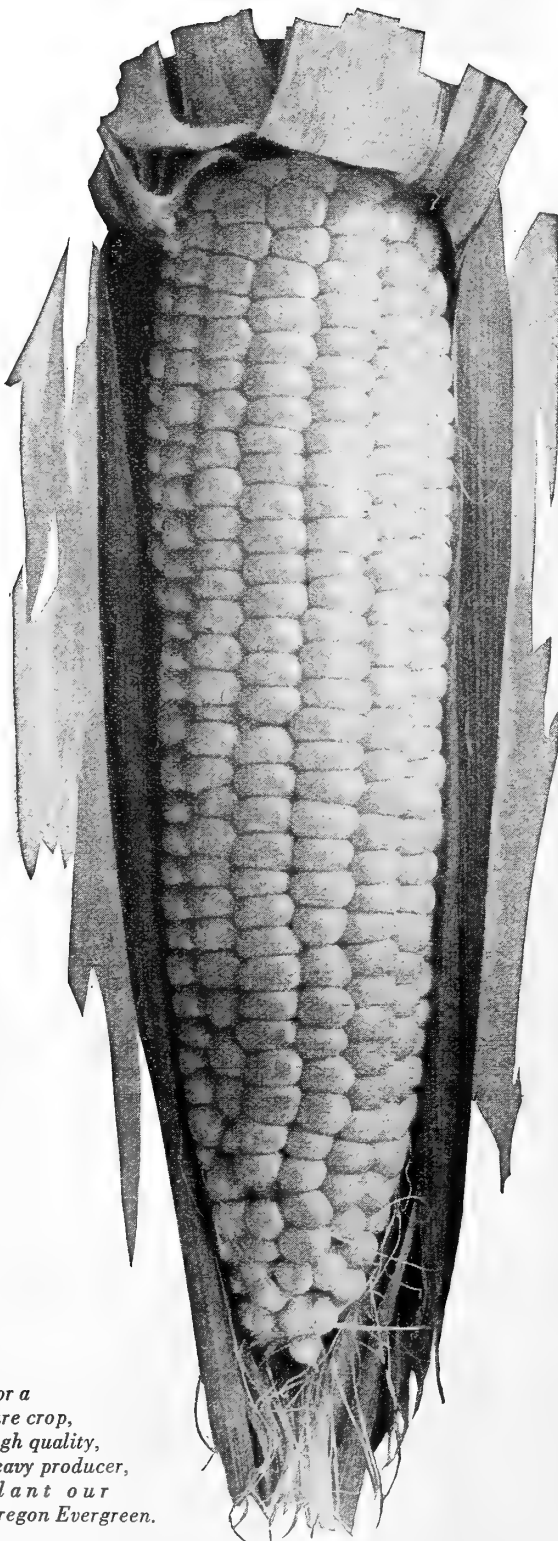
Early Minnesota. A fine second early variety, ears medium size and of fine quality. Good for home garden or early market. $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....\$.10

SWEET CORN

Oregon Evergreen. We sell each year more Oregon Evergreen Sweet Corn Seed than all other Sweet Corns combined and its use is increasing each year showing it is firmly established as the favorite variety with planters generally. It is a main crop or second early variety, very vigorous and productive. Ears large and well filled to the tip with large delicious pearly white grains. We have selected a heavy tight husk which protects it from the corn ear worm. For a sure crop, high quality, heavy producer, plant our Oregon Evergreen. $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....\$.10

Country Gentlemen. A good home garden variety, cob small, grains very deep, small and irregular, very sweet and tender. $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....\$.10

Stowells Evergreen. Best for late corn. Ears large and of best quality. $\frac{1}{2}$ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....\$.10



For a
sure crop,
high quality,
heavy producer,
plant our
Oregon Evergreen.

GERMAIN'S OREGON EVERGREEN

For corn ear worm, dust with Corona Dry Arsenate of Lead as soon as the silk begins to show on the corn, dusting the silk thoroughly.

Corona Dry is used by mixing from two to four ounces of arsenate of lead to one pound of flour or hydrated lime.

Prices: 1 lb. pkg., 40c; 4 lb. pkg., \$1.00. Express only.

SEEDS

California's Best

MR. and MRS. HOME OWNER ...YOUR ATTENTION PLEASE!

We would like to write you each a personal letter but this is rather an impossibility as we have thousands upon thousands of friends that look to us for their garden supplies and in view of this impossibility, we are printing this message to you in our catalogue, giving it a considerable space so that you will be sure to see it and, we hope, read it.

Our message is this:

Those of you who have been fortunate enough to have had the pleasure of gardening some ten or fifteen years ago will remember that there was always a piece of ground laid aside in the back yard for the Vegetable Garden. It was the portion of the garden where you so proudly took your visitors and showed them where you obtained the fresh vegetables for your dinner. There is nothing that tastes as good as fresh vegetables just harvested. Vegetables are easy to grow, they respond very readily to the weekly or bi-weekly attention that everybody is able to give them.

In the last few years, we all have depended upon others to grow our vegetables, thinking that possibly we didn't have enough time or we were not home sufficiently long to care for them. We are, therefore, calling your attention to the fact that a plot of ground laid aside in your yard for a vegetable garden will bring you not only profit but pleasure and will be a means of saving, which will help the family budget.

We specially wish to call your attention to the ease with which vegetables can be grown. Here in California, vegetables can be planted the year around. You can have a continual harvest. Your table can be supplied daily from the vegetables that are grown in the garden. Thousands of people already have taken up this idea of ours and to those of you who have not thought of it, we are addressing this communication and suggest to you that a very small purchase of seed will produce many dollars in value in the way of vegetables which are so highly thought of in arranging a balanced meal for the family.

If we can be of any assistance to you in whatever way in helping you in any problems of gardening and of course this is not only in regard to vegetables but any other form of gardening, do not fail to write us as we are always glad to be of help in solving these problems for you.

GERMAIN'S

POP CORN

Culture. Requires same care and culture as a sweet corn.

Queen's Golden. A large-eared and handsome yellow popcorn. Grains are large, pop perfectly white and are exceedingly tender. Plant grows about six feet high, and yields three or four ears to the stalk; price 30 cents; 10 pounds \$2.50.

White Rice. A popular and productive variety. The kernels are fine, white, and the ears are from four to five inches in length and from one to one and a quarter in diameter; one pound to the stalk; price 1 pound 30 cents; 10 pounds \$2.50.

CORN SALAD

Canonigos

Feldsalat

Mache

Culture. This should be planted in early spring or late summer. It is a hardy plant having no enemies and only requires 60 to 65 days to mature; it, however, will not succeed in hot weather but must have cool growing weather. One ounce of seed will sow a row 30 feet long. The small leaves are served like lettuce or for garnishing dishes in the same manner as parsley or cress.

Germain's Feticus or Lamb's Lettuce. Oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.....\$.10

CHIVES

Cebelleto

Schnittlauch

Ciboulette

Culture. The same methods of growing are used as for green onions. However, when the plant is about 2 inches high it should be transplanted to 3 inches apart in rows which are 12 inches apart. Chives are grown for the young leaves which are produced freely from early in the spring throughout the summer. It is a perennial of continuous growth and as the leaves are cut away, new growth comes on. The flavor is mild, resembling that of an onion and is used in soups and various other dishes if onion flavor is desired. Oz. \$2.50.....\$.15

Practically all vegetable and flower plants are troubled with aphids or plant lice. Derrisol is a non-poisonous insecticide which is simply mixed with water and is then sprayed on the plants. For prices, see Page 111.

GERMAIN'S

Los Angeles - - - - Since 1871

CUCUMBERS

Note—Prices listed are postpaid.

Pepino

Gurke

Concombre

Culture. Cucumbers should not be planted until all danger of frost is over and the ground is warm, because like all vine crops the seed is liable to rot unless proper conditions prevail.

Cucumbers should be grown in every garden, for slicing for the table and small fruits for pickling. In most sections two plantings can be made. First, as early as the weather permits, second, the latter part of July or first of August.

The early planting will produce cucumbers for table use and the late planting will give the best supply of young fruits for pickling purposes.

Sow 6 to 10 seed in hills 4 to 6 feet apart. After all danger of pests are removed and you are sure of your plants, thin, leaving the three strongest. Cucumbers enjoy a light, sandy, rich soil. They should be planted one inch deep. One ounce will plant 50 hills; 2 pounds, one acre.

PER PKT.

Boston Pickling. An early pickling or slicing variety. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50..... .10

Chicago Pickling. Medium size and season good for pickles or slicing. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50..... .10

Davis Perfect. A favorite with market gardeners, long, slim and dark green, holding its color well to maturity. A favorite variety among shipper. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50..... .10

Klondike. Another good white spined variety medium length, very dark color and fine quality. Vine vigorous and productive. Oz. 20c; ¼ lb. 70c; 1 lb. \$2.00..... .10

Long Green. One of the best for all purposes—fruits long and slender, seed cavity small, quality unequalled. Oz. 20c; ¼ lb. 70c; 1 lb. \$2.00..... .10

Japanese Climbing. A very rampant grower good for Trellis, fruits long dark green and of excellent quality. Oz. 25c; ¼ lb. 85c; 1 lb. \$2.50..... .10

West India Gherkin. Quite distinct from other cucumbers, vine resembles watermelon, fruits small oval, used only for pickles when very small, very prolific. Oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00..... .10



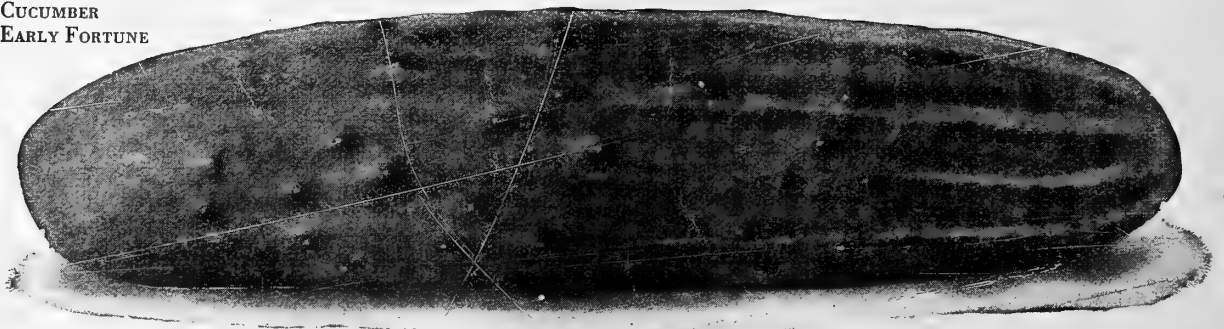
LEMON
CUCUMBER

CUCUMBER

Lemon. This cucumber is quite distinct from most varieties as the name indicates; it is the size and shape of a good sized lemon, color creamy white when at its best eating condition which turns yellow as it ripens. Makes a distinctive and very fine pickle when small and is the finest cucumber grown for slicing being very crisp and delicate and never turning bitter. For your own garden plant Lemon for the finest slicing cucumber you can grow. Oz. 20c; ¼ lb. 70c; 1 lb. \$2.00..... .10

Early Fortune. After careful and repeated trial in our trial grounds we are convinced that Early Fortune is the best all purpose main crop cucumber on our list, equally desirable for the home garden where a good quantity, crisp and tender cucumber is wanted or for shipping to distant markets. It is about 9 inches long of uniform diameter making it an ideal shape to pack and carry nicely. The color is a deep attractive green with white spines. Seed cavity small, flesh very crisp and solid. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50..... .10

CUCUMBER
EARLY FORTUNE



SEEDS

California's Best

CRESS, OR PEPPER GRASS

Note—Prices listed are postpaid.

Mastuerzo, Berro Kresse Cresson

Culture. There are many kinds of cress, all characterized by a more or less pungent taste. They are used in salads and for garnishing dishes.

Water cress is grown in almost any ditch, shallow stream, or moist earth and also under benches in greenhouses. It is a perennial and is propagated by scattering either seeds or freshly cut stems where the plants are wanted to grow.

Pepper grass or cress should be sown thickly in drills every few days if a succession is wanted. One ounce will sow 200 feet of row.

Fine Curled (Pepper Grass). Grown very quickly from seeds sown thinly in drills. Leaves are finely curled and very ornamental but as the plant runs quickly to seed, frequent plantings should be made. The flavor resembles that of mustard. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.....\$.10

Water Cress. A heavy foliated plant, adapted to water culture. It has a slightly pungent taste. Oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00.....\$.10

DANDELION

Note—Prices listed are postpaid.

Amargon Kuhblume Pissenlit

Culture. It is used for greens and is much prized by epicures. Sow seed in the spring in rows 1 foot apart and thin plants to stand 1 ft. apart in the row. Sandy loam soil is best suited.

Improved. An early, large, broad-leaved variety. Oz. 75c.....\$.10



ENDIVE
GREEN CURLED



NEW YORK IMPROVED
EGG PLANT

EGG PLANT

Note—Prices listed are postpaid.

Berengena Eierpflanze Aubergine

Culture. The plants should be started under glass if wanted early. If later results are desired, seed should be planted in cold frames or in boxes where special care can be given.

Egg plant seed is very delicate and will not grow unless special care is given it. It is easily affected by cold weather. Seed should be barely covered and particular attention should be given to have well-pulverized soil of rich composition. Moisture is an important factor and care should be taken to have the soil in beds or boxes moist, as any check to growth is exceedingly difficult to overcome and invites failure.

Plants should not be set out permanently until all danger of frost is over, using plants 6 to 8 inches tall of vigorous growth for setting in the field.

Space plants 3 feet apart each way and cultivate thoroughly throughout the season.

New York Improved. None of this delicious vegetable has ever been brought to such a state of perfection as GERMAIN'S Strain of New York. An early variety, large, oval-shaped and the deep purple kind that tastes surprisingly like oysters when fried. It has an indescribably delicate and alluring flavor when stewed. This variety is a great producer, 50 to 60 pounds having been grown from one plant. It has been perfected beyond any tendency to pithiness or dryness. Oz. 65c; ¼ lb. \$2.20; 1 lb. \$6.50.....\$.10

Black Beauty. This is a fine, extra early variety, which has proven very satisfactory. Oz. 65c; ¼ lb. \$2.20; 1 lb. \$6.50.. \$.10

ENDIVE

Culture. Same as for lettuce.

Green Curled makes a fine salad, especially for winter use. When ready for use outer leaves are green with the center of the head blanched to creamy white.

The use of this variety has increased greatly in the past few years and carloads are now shipped to Eastern markets.

Pkt. 10c; Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50

Broadleaved Batavian. Makes an excellent winter salad grown like lettuce and heads tied loosely for blanching regarded by some as the best of the Endives.

Pkt. 10c; Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50

GERMAIN'S

Los Angeles - - - - Since 1871

KALE, OR BORECOLE

Breton

Blaetterkohl

Chou Vert

Culture. This is a very popular boiling green and in Southern California can be grown the year around. It resembles cabbage in flavor, is a hardy plant and can be easily grown from seed. Plants are usually cut off when the leaves are 6 inches or more in length, but with the fine curled varieties the leaves can be gathered for use when of good size.

If the tall Scotch variety is planted, the lower leaves should be carefully pulled off so that the plants can grow on and furnish a continuous supply.

This is also true of Jersey or Tree Kale. One ounce of seed will produce 4000 plants. Seed should be sown thinly in drill and reset 12 inches apart in rows 3 feet apart.

Dwarf Curled Scotch. Very hardy, excellent for spring use. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25.....^{PER PKT.} \$.10

Green Curled Scotch. The kind most commonly used; grows to a height of eighteen inches; spreads to three feet in diameter; leaves bright green and curled. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... \$.10

Jersey, or Tree Kale. Of vigorous growth, grown for chickens and stock only. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25.... \$.10

Thousand Headed Kale. An excellent food for poultry, an immense yielder. Crops are known to have gone as high as 60 tons of green feed per acre. Anyone having poultry should plant it. Oz. 20c; ¼ lb. 45c; 1 lb. 1.25..... \$.10

Seed should be planted in drills 3 feet apart and the plants transplanted when from 6 to 8 inches high. The plants should be set three feet apart each way.

They grow about 4 feet high with a wide spread of leaves and a single plant often weighs 30 to 40 pounds.

KOHLRABI

Col Nabo

Kolhrabi

Chou-rave

Culture. This vegetable is a cross between a cabbage and a turnip. The edible portion is the large bulb which forms on the stem above the soil. We advise successive sowing in order to obtain tender bulbs, which have a mild, delicate, cabbage-like flavor. It is a hardy plant and seed may be sown practically all the year around. Plant it like turnip and thin to six inches apart in row. One ounce seed will produce 2000 plants. Use when 2½ to 3 in. in diameter as it soon becomes woody.

Early White Vienna. Flesh white and tender. Oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.....^{PER PKT.} \$.10

HERBS, Pot, Sweet and Medicinal

Note—Prices listed are postpaid.

10 cents per packet

Every good cook uses herbs in the culinary art, but comparatively few housewives are acquainted with the delicious and appetizing flavors secured by the addition to many dishes of one

Angelica Garden (Archangelica officinalis).

Anise (Pimpinella anisum).

Balm (Melissa officinalis).

Basil Sweet (Borago officinalis).

Borage (Borago officinalis).

Caraway (Carum carui).

Catnip (Nepeta Cataria).

Coriander (Cariandrum sativum).

Cumin (Cuminum cyminum).

Dill (Anethum graveolens).

Dill (Anethum graveolens).

Fennel, Sweet (Foeniculum vulgare).

Horehound (Marrubium vulgare).

or more of the old fashioned herbs. Easily grown in the house yard and preserved for use simply by drying and placing in tight jars. No order for garden seeds should fail to include them.

Hyssop (Hyssopus officinalis).

Lavender (Lavender vera).

Marjoram, Sweet (Origanum Majorana).

Rosemary (Rasmarinus officinalis).

Rue (Ruta graveolens).

Saffron (Carthamus tinctorius).

Sage (Salvia officinalis).

Savory, Summer (Satureja hortensis).

Savory, Winter (Satureja montana).

Sorrel

Tansy (Tanacetum vulgare).

Thyme, Broad-Leaved (Thymus vulgaris).

Wormwood (Artemista absinthium).

SEEDS

California's Best

LETTUCE

Note—Prices listed are postpaid.

Lechuga

Salat

Laitue

Culture. A world wide grown vegetable because it can be quickly and easily grown. Is extremely palatable and very nutritious. Every garden deserves a lettuce plot. The quickest growing types are the loose leaf varieties, and we suggest for the home garden a plot of loose leaf and a bed of the heading type. The loose leaf varieties will have matured and be used up by the time the heading types are matured.

The loose leaf Lettuce does not form heads but where the plants are grown a distance apart they make a large rounded cluster of leaves. Leaves are heavily crumpled and attractive in appearance, crisp and tender. We advise the planting of two ounces of seed for a 150 foot row and if the lettuce is too thick, thin after it has attained a size which can be pulled and used for salad or it can be thinned out when young and transplanted to another section of the garden. Lettuce needs considerable moisture, applied often but not too heavily and plenty of cultivation to obtain best results.

Head Lettuce is so called because of its extremely solid or compact formation. Such types as Los Angeles Market, Wonderful, New York, Big Boston and Iceberg, may be depended upon to satisfactorily mature a firm cabbage-like head.

Heading varieties should be sown the same as loose leaf except that it should by all means be thinned out when the fourth leaf appears leaving plants in the row 10 inches apart.

A rich pliable medium loam soil is best.

Cabbage or Heading

New York or Los Angeles Market. There is grown in this state for shipment east upwards of fifty thousands acres of Lettuce, practically every acre of which is New York. Seldom is the consumption of any vegetable so entirely of one variety as in the case of New York Lettuce.

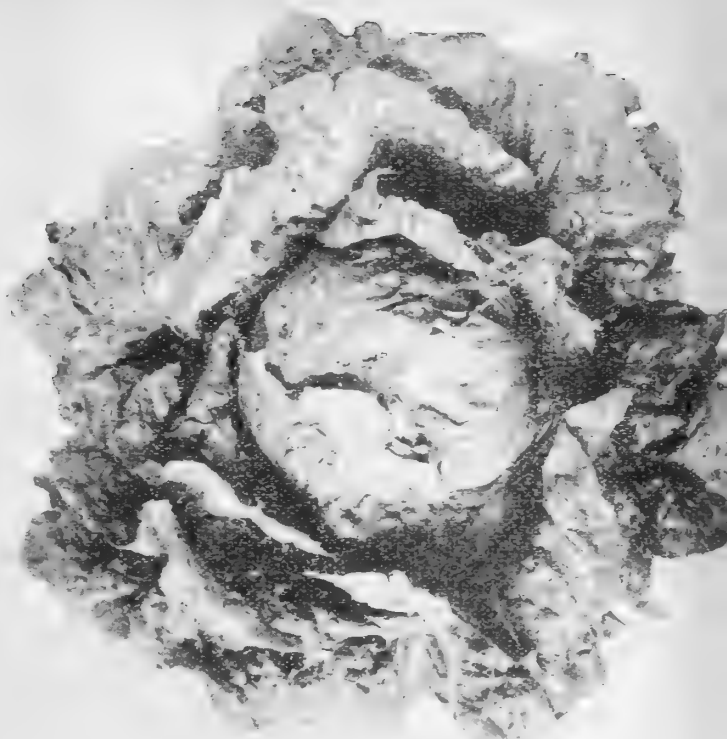
This is due to its fine appearance, excellent quality and large percentage of perfect heads. Our stock is grown with greatest care and is not to be compared with some offered.

Plant our New York and supply your table with large, solid, crisp heads of the finest lettuce grown. Oz. 20c; ¼ lb. 65c; 1 lb. \$2.00.....**.10**

PER PKT.

Iceberg. Does well during the summer; a large solid light green head, edge of leaves tinged with red, good quality. Oz. 20c; ¼ lb. 65c; 1 lb. \$2.00.....**\$.10**

Hansen. A standard variety, crisp, tight heading, light green, of good quality. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.....**.10**



NEW YORK OR LOS ANGELES MARKET

Loose Leaved Varieties

Black Seeded Simpson. A favorite among the loose leaf kinds, very crisp and tender. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.....**.10**

Early Curled Simpson. The best of early varieties of the loose leaved kinds; leaves light green, crisp, and fine flavor. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.....**.10**

Prize Head. A distinct loose leaved sort, reddish brown in color and very fine quality. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.....**.10**

Chicken Lettuce. This variety of lettuce should not be confused with the regular heading or loose-leaved varieties. The plant grows very much like kale, to a height of four to five feet, with much growth of leaf. It is used mainly for chicken and rabbit feeding. It absolutely does not head and is seldom if ever used for table purposes. The wonderful leaf growth makes it ideal for green food for chickens, etc. Oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.....**.10**

Cos or Romaine

Paris White Cos. The best of the Cos Lettuce, very crisp and tender. Requires plenty of room and plenty of water to make good head. Oz. 20c; ¼ lb. 65c; 1 lb. \$2.00.....**.10**

LEEK

Puerro

Lauch

Poireau

Culture. Leek is a very hardy plant with a sweet onion-like flavor. It resembles the young onion growth in the spring as it does not bulb.

The neck or stems are blanched by drawing the earth up about them as the plant grows in size or they can be transplanted to trenches and the trench gradually filled as the plant grows. They should be planted in drills or rows 16 to 20 inches apart and the plants 10 to 12 inches apart.

Plant seed in seed bed, broadcast or in drills, covered to depth of one-half inch, and when they are about as thick as a good sized goose quill they should be transplanted.

London Flag. A large and strong plant; hardy. Oz. 35c; ¼ lb. \$1.15; 1 lb. \$3.50.....**PER PKT. \$.10**

Since 1871

GERMAIN'S

California Seeds

For over sixty years we have catered to the needs of the California growers. From a very small business, when Los Angeles had a population of about fifty thousand people, we have grown as California has grown, because at all times, the success of our customers has always been paramount with us. GERMAIN'S stands for Quality and Service in Seeds.

GERMAIN'S

Los Angeles - - - - Since 1871

MUSKMELONS

Note—Prices listed are postpaid.

Melon Almizeleno Cantalupen Cantaloup

Culture. Muskmelons must not under ordinary gardening conditions be planted until all danger of frost is past. This is usually March, and planting may continue until July 15th. Warm ground is essential to the germination of the seed, for if planted too early in the Spring it will rot. Soil should be in proper planting condition. First, it must be thoroughly soaked or irrigated. Second, when moisture has thoroughly penetrated and the soil is in workable condition, spade or plow the ground and see that it is thoroughly pulverized. Third, prepare furrows 6 to 8 inches in depth and 5 to 7 feet apart according to space you can spare. Fourth, plant the seed in the furrows about 6 feet apart, covering the seed not more than 1 inch deep and as the plant grows, gradually fill up the furrow with soil until level with surface.

Do not irrigate close to the plant as it will cause dampening off and other diseases. The roots of the plant being as long as the vine, close up irrigation is not necessary and in cultivating see that these roots are not disturbed as it would ruin the plant. Practice frequent shallow cultivation. Plant 8 seeds to the hill and when thoroughly established pull out all but three. Two to three pounds of seed is used to an acre.

Green Fleshed

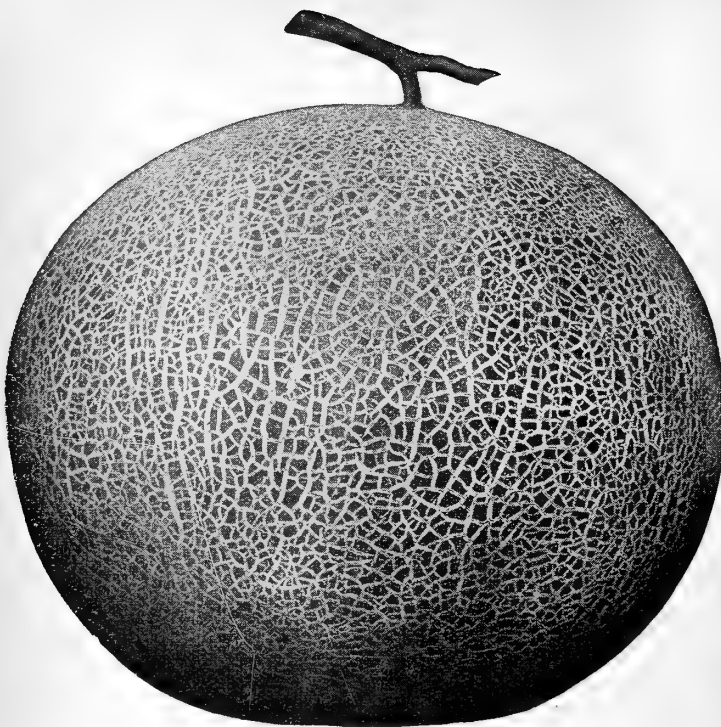
Rocky Ford. The best of the green fleshed cantaloupe either for shippers or home garden. Medium size, early oblong, well netted flesh, very sweet and spicy. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.....\$.10

Extra Early Hackensack. Medium size oval melon maturing quickly, very early, flesh green, thick, and fine quality. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.....\$.10

Large Hackensack. Somewhat the same type as extra early Hackensack but larger and later; for a melon of good size and quality for home garden, plant Large Hackensack. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.....\$.10



Rocky Ford No. 1025



PERSIAN MELON

Salmon Fleshed

Rocky Ford No. 1025. This is the salmon fleshed type of the old reliable Rocky Ford which has been grown more extensively than any other Canteloupe both by shippers and private gardens. The fruits are medium size closely netted with a thin though tough rind which stands long distance shipping, flesh a bright salmon, firm sweet and juicy, cavity small.

You will make no mistake in planting our 1025 whether a few hills or a thousand acres. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.....\$.10

Tip Top. Is still the leading variety on the Los Angeles market where it has held first place and brought the grower top prices for years.

There is a reason as it is unsurpassed in eating qualities, is very juicy and sweet, flesh has that melting quality so desirable and found only in the best melons. It is an ideal melon for individual service so is a prime favorite with hotels and restaurants as well as private gardens. By successive plantings supply your table with the best. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.....\$.10

Honey Ball. A very popular melon in the Imperial Valley. It is a late season variety and is very prolific. Flesh is copper tinged with green. A good shipper. Our strain is very fine. Oz. 25c; ¼ lb. \$85c; 1 lb. \$2.50.....\$.10

Hales Best. The earliest of the Salmon Fleshed shippers, and now used more than any other variety for long distance shipping; it is also growing in favor with the market gardeners on account of its earliness, fine appearance and uniformly fine quality. Oz. 20c; ¼ lb. 60c; 1 lb. \$1.75.....\$.10

Improved Perfecto. Another selection of the Salmon Fleshed shipping melon, and equally good for nearby markets. Has remarkably small seed cavity, flesh deep orange and of finest quality. Oz. 20c; ¼ lb. 60c; 1 lb. \$1.75.....\$.10

Burrells Gem. Another of the Salmon Fleshed melons of fine quality and a little larger than the others. A fine home garden melon. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.....\$.10

Persian. Although of recent introduction this splendid melon is largely grown for home use and nearby markets. It is large, weighing 8 to 10 lbs. Almost round without ribs, heavily netted, flesh very thick, juicy and finest quality. Would not recommend this variety for planting along the Coast as it requires warm weather. Oz. 40c; ¼ lb. \$1.35; 1 lb. \$4.00.....\$.10

SEEDS

California's Best

Honey Dews and Casabas

Honey Dew. A medium size round melon of a dull creamy white color, flesh green, quite distinct and very delicious flavor. The rind is tough without netting, and ships well to distant markets. Oz. 25c; ¼ lb. 70c; 1 lb. \$2.00.....\$.10

Golden Honey Dew. In outward appearance like the Honey Dew, but has Salmon colored flesh and a delicious flavor. Oz. 25c; ¼ lb. 75c; 1 lb. \$2.25..... .10

Golden Beauty. This superior variety is rightly named, is of a true golden color and by far the most attractive of the Casabas. The outer skin is tough, allowing long distance shipping. In shape almost a globe with wrinkles or furrows running irregularly the length of it. Flesh very thick, juicy and sweet. The most profitable of the Casabas for the gardener. Can be kept for weeks after picking. Oz. 20c; ¼ lb. 65c; 1 lb. \$2.00..... .10

Improved Hybrid. A large, rather late Casaba, very prolific and of finest quality. A favorite on the local markets. Oz. 25c; ¼ lb. 85c; 1 lb. \$2.50..... .10

Golden Hybrid. A large melon, very prolific; similar to the Improved Hybrid with the exception that it has a golden color. It can be planted early or late; has a delicious flavor and we recommend it very highly. Oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00..... .10

Santa Claus. A real Christmas melon, ripens very late and can be kept for weeks. A long oval shape, ripens yellow blotches with green, flesh juicy and good. Oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00..... .10



CASABA GOLDEN BEAUTY

GERMAIN'S Melon Collections

SMALL GARDEN COLLECTION

One packet each: Muskmelon, Tip Top, Burrels Gem, Persian, Golden Beauty. Value 40c, Collection Price..... **25c**

LARGE GARDEN COLLECTION

One oz. each: Muskmelon, Tip Top, Persian, Casaba, Golden Beauty. Value 80c, Collection Price..... **50c**

MUSTARD

Note—Prices listed are postpaid.

Mostaza

Senf

Moutarde

Culture. Sow any time in the year, though autumn sowing brings best greens for they revel in cool weather. Not particular as to soil, though a medium heavy one is best.

Giant Southern Curled. Leaves large light green finely curled, and has a mild agreeable flavor. It also makes a fine greens for poultry. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00....\$.10

Ostrich Plume. Another of the large fancy leaved mustards of fine quality. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... .10

Chinese White. A hardy large leaved variety, very mild and in great favor among Orientals. Oz. 40c; ¼ lb. \$1.35; 1 lb. \$4.00..... .10

White London. The light colored seed that is used for grinding and flavoring pickles. Oz. 20c; ¼ lb. 25c; 1 lb. 75c10

MUSHROOM SPAWN

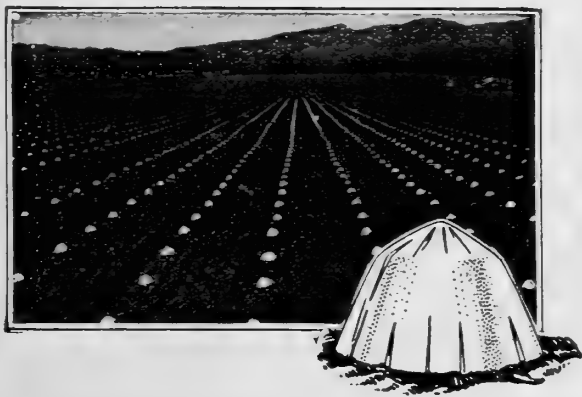
Seta

Schwamm

Champignon

Cultural instructions for growing mushrooms given free to every purchaser of spawn.

Lambert's Pure Culture. This spawn is specially prepared for us and produces results where the average spawn proves a failure. It is a strong strain of spawn thoroughly acclimated to California conditions and selected with reference to earliness, size, flavor, appearance, prolificy and quality of the mushrooms that it will produce. We highly recommend this spawn to those who intend to raise mushrooms for the market. Bricks 40 cents each, 5 bricks \$1.75, postpaid.



This is a field of cantaloupes, each plant covered with a Hotkap.

Hotkaps are used to protect the young plants from frost, insects, etc. They also force the plants to earlier maturity. Cover your plants with Hotkaps and obtain earlier Home Grown vegetables and flowers.

For complete information, see Page 50.

GERMAIN'S

Los Angeles - - - - Since 1871

WATERMELONS

Note—Prices listed are postpaid.

Sandia Wassermelone Melon d'Eau

Culture. The same culture as applied to the Muskmelon is employed in growing Watermelons. Furrows of about 8 inches in depth are prepared and 6 to 8 seeds are planted about 1½ inches deep every 10 feet in the furrow; furrows about 8 feet apart.

This plant assumes a more rapid growth than Muskmelon, consequently more frequent cultivation and care must be given while the plants are young. As the plants grow in the furrow, fill in

the soil about them so as to establish roots well into the deeper soil and when the plants are securely established pluck out all but two of the most hardy and healthy ones. The furrows in which the plants are growing want to be filled gradually as the plants grow until level with the surface, and then in early cultivating throw the soil towards the plant until a slight knoll or hill is formed.

In irrigating soak ground thoroughly and follow by cultivation as quickly as practicable, in order to keep a permanent mulch and maintain the moisture. Use one and one half pounds of seed to an acre.

Klondike. Is another monopolist as since its introduction it has grown in favor till it really well nigh monopolizes the California markets and is too, about the only variety now used by the shippers.

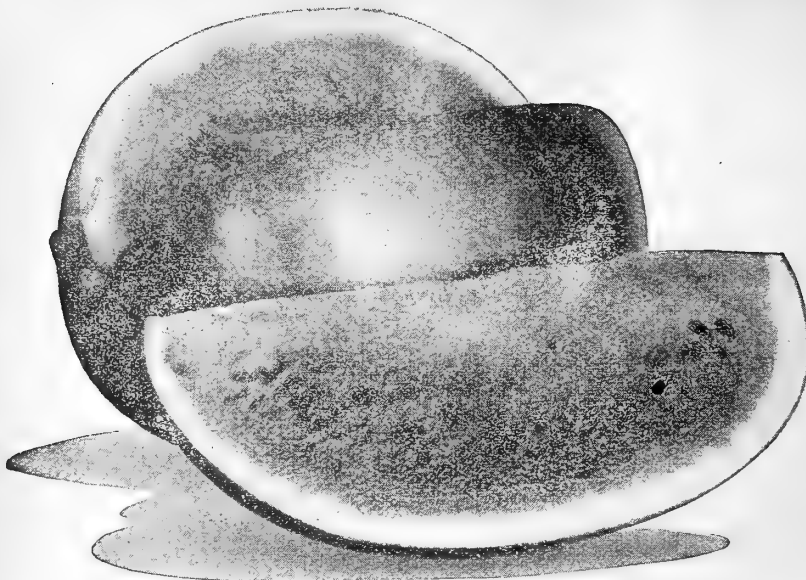
We have selected this melon to a dark seeded strain which with the bright red flesh gives it a very attractive appearance when cut.

We have this variety grown in an isolated locality where there is no danger of crossing and select our seed with great care.

The sweetest, finest flavored melon grown and our stock is unsurpassed. Oz. 25c; ¼ lb. 85c; 1 lb. \$2.50.....\$.10

Angeleno White Seeded. A fine quality early melon nearly round, dark green; flesh bright red and fine quality. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.....\$.10

Angeleno Black Seeded. Much like white seeded Angeleno except in color of seed. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.....\$.10



CHILEAN DARK SEEDED

Chilean Dark Seeded. The best of the early watermelons for the family supply or shipping to market. Is medium size, outer color a dark and light green stripe. The flesh is a very bright attractive red and can be eaten right down to the rind. Is very sweet and fine. Our stock will please the grower who caters to fancy trade or the home gardener who is looking for an early melon of finest quality. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25.....\$.10

Chilian White Seeded. A medium size oval melon with a dark and light green stripe. A fine melon in size and quality for the home garden. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25.....\$.10

Excel. Preferred by some as a shipping melon on account of its large size, good shipping and heavy yielding qualities; long oval, mottled in two shades of green and has a good rind for long distance shipments. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25.....\$.10

Tom Watson. Another large shipping melon of good quality. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25.....\$.10

Yellow Fleshed Ice Cream. A large oval melon with yellow flesh of good quality. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25.....\$.10

King and Queen. Small, round, light colored with bright pink flesh of good quality, ripens late and can be kept for months. Oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.....\$.10

CITRON

Don't allow citrons to grow near your watermelons as they cross readily.

Red Seeded. Small round fruits mottled light and dark green; used for preserves, ripens late and keeps for months. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25.....\$.10

Green Seeded. A large light green Citron with green seed, used for stock feed, and will grow more tons on poorer land than anything we know of. Oz. 20c; ¼ lb. 40c; 1 lb. \$1.00.....\$.10



KLONDIKE DARK SEEDED

SEEDS

California's Best

PEPPER

Note—Prices listed are postpaid.

Pimiento **Pfeffer** **Piment**

Culture. For early market peppers, seed should be planted in hot beds during November and December, and when the plants are of proper size and the danger of frost is passed they should be planted in the open field or garden or the plants may be planted direct in the open ground before the frost period is over if they are given proper protection.

To harden off plants before setting out remove covering of hot bed during warmer part of the day, being sure to replace same as it starts to turn cool in the evening.

For main crop, plant in the hot bed during February, March and April; in later planting cold frames may be utilized.

Royal King. A comparatively new variety, early, productive, used for stuffing or salads. Oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00.....

Ruby King. Much like Royal King, but not quite so large or blunt. Oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00.....

Anaheim Chili. The leading variety among the hot or pungent peppers; used both as green pepper and dried, and in making of Chili Powder.

We have a fine stock that produces long smooth highly colored pods. Oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00.....

Mexican Chili. The kind used in making tamales and pungent sauces. We have a fine strain of seed of this popular variety. Oz. 50c; ¼ lb. \$1.65; 1 lb. \$5.00.....

Floral Gem. The favorite variety when a small hot pepper is desired for pickling or highly flavored sauces. The fruit is cone shape and 2 inches long, green when immature changing to a creamy white and turning red as it ripens. We have a fine stock of this variety. Oz. 80c; ¼ lb. \$2.65; 1 lb. \$8.00.....



PER PKT

PEPPER CALIFORNIA WONDER

Pepper California Wonder

We introduced California Wonder Pepper in 1927, announcing it as the best large sweet pepper ever produced. The reception given this remarkable variety even exceeded our expectations, for in two short years it has literally swept the country and more is now the leading variety used by large shippers of winter vegetables on the West coast of Mexico.

It is the best large fruited pepper in existence, very smooth, heavy, free from creases and wrinkles. Meat thick, tender, and of finest flavor; it is fast replacing other varieties in the home garden on account of its excellent quality, and with the shippers on account of its fine appearance after a long journey to distant markets.

PER PKT.

Buy your seed in Germain's Sealed Containers, and be sure of the best. Oz. \$1.00; ¼ lb. \$3.35; 1 lb. \$10.00.....\$.25

Perfection Pimiento. The best of the small smooth sweet peppers largely used by canners. Oz. 45c; ¼ lb. \$1.50 1 lb. \$4.50.....

Chinese Giant. A very large sweet pepper used for salads, and stuffing; the old time favorite for the home garden. Oz. 65c; ¼ lb. \$2.20; 1 lb. \$6.50.....

Bell or Bull Nose. The earliest of the sweet bell shaped peppers, long a favorite among gardeners. Oz. 45c; ¼ lb. \$1.50; 1 lb. \$4.50.....

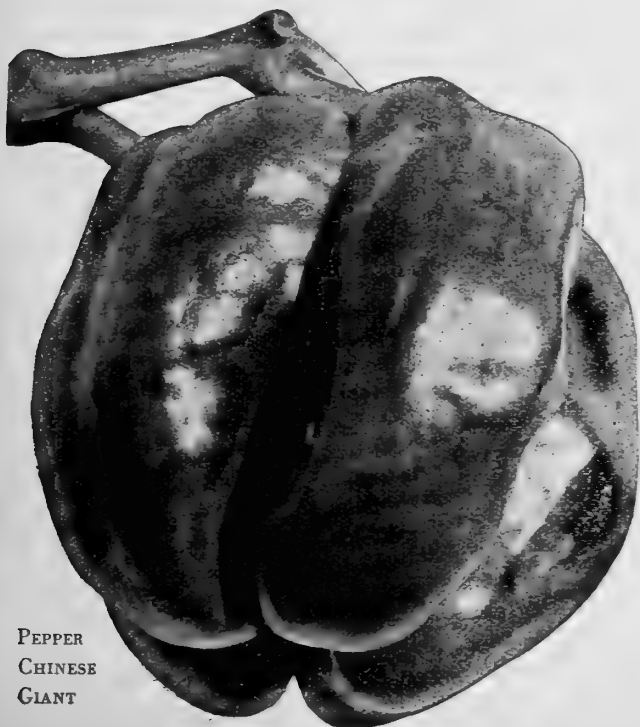
RHUBARB OR PIE PLANT

Note—Prices listed are postpaid.

Ruibarbe **Rhabarber** **Rhubarbe**

Culture. Rhubarb seed requires considerable care and is discriminating as to where it grows. A rich light sandy loam is its delight and seed planted in this type of soil, about ¾ inches deep in rows which are 12 inches apart, in the early spring, say February, will be ready to transplant in from 4 to 6 months time. When they are as large as one's finger transplant the roots to mellow soil as described above, in rows 5 feet apart and about 3 feet apart in the row. The roots should be set in ridges with the crown even with the surface of the soil. The ground should be kept well cultivated and irrigated the first season and stalks may be pulled early the next spring.

Giant Winter. We can furnish seed of this splendid variety but as Rhubarb is one of the plants that does not come true from seed so that the result would be varying types of plants, we recommend the planting of roots, especially in making commercial plantings. Our price on seed is Oz. \$1.60; ¼ lb. \$5.35; 1 lb. \$16.00.....



PEPPER
CHINESE
GIANT

GERMAIN'S

Los Angeles - - - Since 1871

ONIONS

Note—Prices listed are postpaid

Cebolla

Zweibel

Oignon

Culture. Many different methods of planting onions are in practice but the one most practical to the general market grower is the following method:

Planting in this section usually starts in December, January and February unless the season is exceptional and then possibly earlier.

The primary requisite is good seed and in this we excel, our seed being produced by experts who have been growing for us for years and our trade has been greatly increasing due to the excellence of our seed.

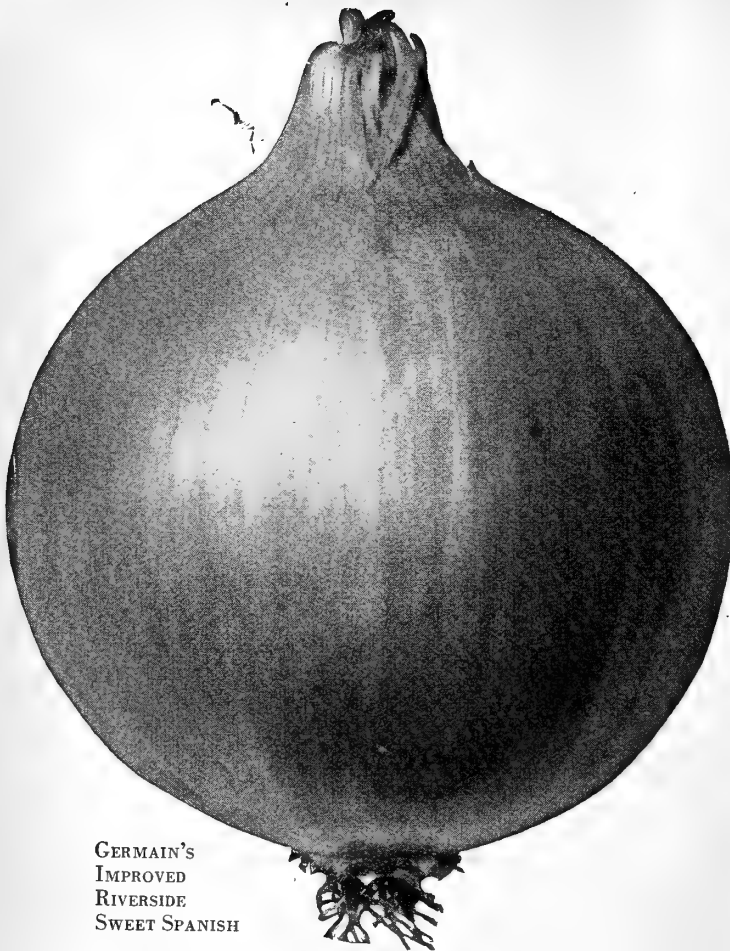
Sow onion seed with a seed drill in rows 14 inches apart, using on this basis from 4 to 4½ pounds of seed per acre. The land must be thoroughly plowed, disked, and harrowed when necessary. It is impossible to prepare your land too carefully in growing the onion as it responds readily and in order to get maximum yields, thorough preparations must be made.

As soon as the plants appear, hand weeding must start both in and between the rows. From this point on the plants must have a steady even growth as a check whether from disease or drought will cause them to go to seed extensively. When the onions are ready for harvesting the tops will be well ripened down. If, however, the tops are still green we suggest running a light roller or plank over the field to press them down. In ten days after this operation the onions should be pulled and left in the field one deep to dry. When thoroughly dried the tops can be removed. However, we do not recommend this until ready to ship to market.

Yellow Flat Danvers. This is one of the very earliest varieties, a good shipper and keeper. Flat in shape, of straw color and mild in flavor. Oz. 25c; ¼ lb. 85c; 1 lb. \$2.50.....

Yellow Bermuda. A flat mild onion, straw colored with pure white flesh. Produces a crop in six months. Our strain of this seed is unsurpassed; is grown especially for us under our own supervision. Oz. 25c; ¼ lb. 85c; 1 lb. \$2.50.....

Crystal Wax. A most attractive onion. Pure white in color being waxy in appearance. Is similar to Yellow Bermuda except in that it is white in appearance. Is largely grown for the market but we highly recommend it to the home gardener. Oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.....



GERMAIN'S
IMPROVED
RIVERSIDE
SWEET SPANISH

Riverside Sweet Spanish. With great care in selecting bulbs of the finest type for our planting stocks we are able to offer a superior strain of this deservedly popular onion which is increasing in favor each year on account of its large size, attractive color and superior flavor, being very mild and sweet. Globe shaped, light yellowish brown, often weighing two pounds or over. You will find this the most satisfactory onion to plant for home use and the most profitable for the market. Oz. 40c; ¼ lb. \$1.35; 1 lb. \$4.00.....

White Sweet Spanish. Similar to the original Sweet Spanish with the exception that it is white fleshed. Like the original, it is a good keeper. Is globe shaped and will grow where other onions will thrive. We are very proud of our strain of this onion as it has given wonderful results. Oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00.....

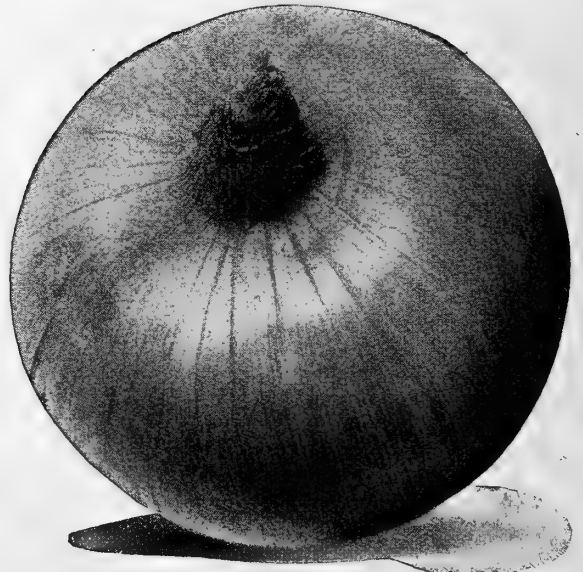
Australian Brown. A large brown onion of good quality, valued largely for its being a good keeper and long distance shipper as the outer skin is heavy and does not break and peel off. The leading variety among the big onion growers. Oz. 20c; ¼ lb. 65c; 1 lb. \$1.75.....

Large Red Wethersfield. One of the leading varieties for many years. In color the skin is a deep purplish red. The flesh is white, tinged with red, and of good quality, crisp and solid. It grows to a large size and is both a good keeper and shipper. Oz. 20c; ¼ lb. 70c; 1 lb. \$2.00.....

New Queen. A rather small, very early white onion, good where earliness rather than keeping qualities are desired. Mild and sweet. Oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.....

Southport White Globe. A favorite white onion in Los Angeles market. A true globe shape, pure pearly white, fine flavor, and a good keeper. Oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00.....

White Portugal or Silver Skin. One of the leading white sorts, of beautiful shape and very mild flavor. The bulbs are flat and mature early. Splendid variety for market garden. Bulbs average two to three inches in diameter. Oz. 25c; ¼ lb. 85c; 1 lb. \$2.50.....



AUSTRALIAN BROWN

SEEDS

California's Best

Germain's Great Bunching Onion. This variety fills a long felt need for both the amateur and the professional gardener. It produces the long, tender and sweet green onions which are justly so popular on the table of those who enjoy good eating. It can be easily grown in every garden. Pull while medium sized before the bulb has formed. Oz. 30c; ¼ lb. \$1.00; 1 lb. \$3.00—Prices are postpaid. PER PKT. .10

Yellow Globe Danvers. A well known early onion of fine quality. Flesh white and firm. Color a bright straw; grows to a good size, hardy, a sure cropper and a good keeper. Oz. 25c; ¼ lb. 85c; 1 lb. \$2.50..... .10

ONION SETS

Write for prices in large quantities

Note—Prices up to and including ten pound quantities include postage or expressage prepaid. When sent otherwise, deduct 10 cents per pound or fraction thereof. Prices listed for larger quantities if desired sent by Parcel Post, necessary postage should be added. See our Parcel Post Schedule. If quantities are desired, do not fail to write for special prices.

Grown from seed that has been sown too thickly to attain a large size. These small onions are planted out and are soon ready to pull for the table or bunch for market. If left to stand they make ripe onions of excellent quality. Maturing about six weeks earlier than crop grown from seed.

Brown Australian. Attains large size, good keeper. A leading variety among growers. 1 lb. 35c; 10 lb. \$3.00.

White Portugal. One of the leading white sorts, of very mild flavor. 1 lb. 35c; 10 lbs. \$3.00.



PARSLEY
MOSS CURLED



ONION
GREEN
BUNCHING

OKRA

Note—Prices listed are postpaid.

Guimbombo Ocher Goumbaud

Culture. Seed can be planted from the middle of March until the latter part of August. Plant in rows 8 inches apart in rows 3 feet apart. Plant seed 1½ inches deep. One ounce of seed will sow 50 feet of row. This vegetable produces long and nutritious pods which when young are used in soups and stews, to which they impart a rich flavor.

Early Dwarf. Dwarf, stocky growth, heavy bearer. The pods are of medium length, greenish white, tender and of good quality. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... PER PKT. .10

Long Green. Later and more productive; ribbed pods. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... .10

White Velvet. Pods round, smooth, free from seams, exceedingly tender, well flavored and very prolific. Oz 20c; ¼ lb. 35c; 1 lb. \$1.00..... .10

PARSLEY

Note—Prices listed are postpaid.

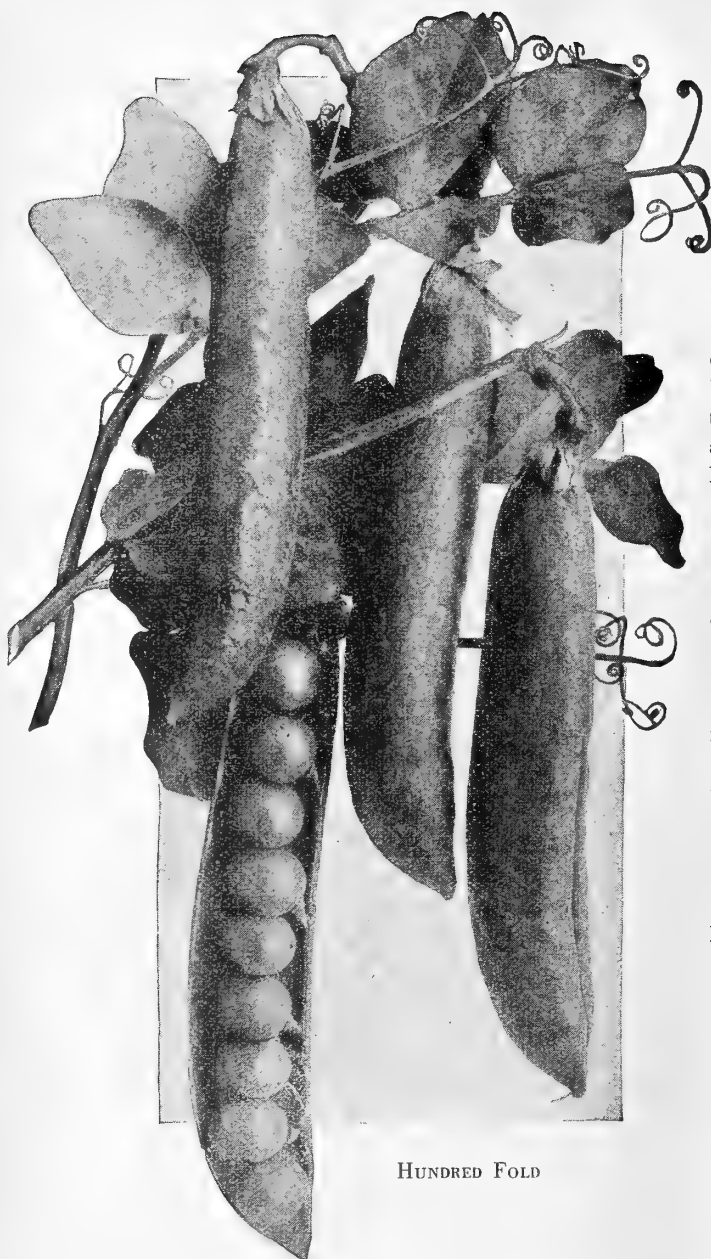
Perejil Petersille Persil
Culture. Same as Lettuce, see Page 65.

Every garden should include parsley as its demands and uses are constant by the housewife. Being ornamental, it makes a very attractive border plant for the flower garden. It may be planted as such if you have not room in the vegetable plot.

Champion Moss-Curled. Vigorous compact-growing variety; excellent for garnishing and flavoring; also a handsome decorative plant; leaves fine and crisp, resembling moss; a most popular sort for the market and home garden. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... PER PKT. .10

Hamburg, or Turnip-Rooted. The roots are excellent for flavoring soups. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10

Plain Parsley. Leaves flat, deeply cut but not curled. Very dark green in color and very hardy. Easily grown. Used largely for flavoring soups, etc. Oz. 20c; ¼ lb. 45c; 1 lb \$1.2510



HUNDRED FOLD

GERMAIN'S

Los Angeles - - - - Since 1871

PEAS

Chicaros o Guisantes

Erbsen

Pols

Note—Prices up to and including ten pound quantities include postage or expressage prepaid. When sent otherwise, deduct 10c per pound or fraction thereof. Prices listed for larger quantities, if desired sent by Parcel Post, necessary postage should be added. See our Parcel Post Schedule on inside front cover page. If quantities are desired, do not fail to write for special prices.

Culture. Peas may be planted in almost any kind of soil. In light soil during the warmer months they should be planted about 3 inches deep so as to be near moisture. In heavier soils or in fall months plant about 1 inch deep, that warmth may penetrate and help germinate the seed.

Excessive moisture will rot the seed, so do not irrigate after seed is planted until the plants are well out of the ground; this is an important point. Cultivate after each irrigation. Usual planting is at rate of 60 pounds per acre.

Early Varieties

PER PKT.

Laxtonian. The first introduction among the extra early large podded peas, and although there are a number of this type of peas on the market now, the Laxtonian is still a favorite among the successful growers, being very early, hardy and prolific. Grows 15 to 18 inches high. Foliage bright green pods of dark green, about 4 inches in length, slightly curved and well-filled with large tender delicious peas. Like all dwarf growing varieties Laxtonian should be planted on rich well-prepared soil for the best results. Whether for home, garden or market the Laxtonian will prove entirely satisfactory. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....\$.10

Mid Season Varieties

Dwarf Telephone. The best of the large podded second early sorts, grows 2 ft. high, foliage light green, pods large and well filled. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....\$.10

Senator. Largely used on the south coast as a market gardener variety, and one of the best of main crop sorts; does well on rather light land. 2½ feet high, pods long, pointed, curved. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....\$.10

Stratagem. The standard late variety for market gardens and shippers. Vines semi-dwarf, very heavy, yielding extra large pods of finest quality peas. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....\$.10

Laxton's Progress. The latest and regarded by some large users as the best of the large podded early peas. Vine 18 to 20 inches high, pods large of fine color that stands long distance shipping well and are well filled with large peas of finest quality. Planted on good rich land as all dwarf or semi-dwarf varieties should be the Laxton's Progress will make you money. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....\$.10

Hundredfold. Is a recognized leader among the early dwarf varieties used very largely by market growers and shippers throughout the country, and given first place by many of the large shippers. Grows 18 inches to 20 inches high, dark green foliage, pods heavily with a dark green straight well filled pod of finest quality. Whether you plant a few rows in your garden or a large acreage you will find this one of the best. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....\$.10

American Wonder. The old stand-by among the Early Dwarf Peas and though there are a lot of new varieties it still has a host of friends. Is very early, grows 12 to 14 inches in height and pods are crowded with 6 or 8 fine quality peas. Planted on good rich well prepared soil, American Wonder will not fail to give you a crop. ½ lb. 20c; 1 lb. 35c; 10 lbs. \$3.00.....\$.10

Protect Plants for Profit

Germaco Hotkaps can make you *extra* dollars this season. They protect plants from *frost*, wind, rain, insects and ground crusting. Thus they produce *hardier*, *quicker* crops. You get higher prices! See page 50.

SEEDS

California's Best

PEAS

Late Varieties

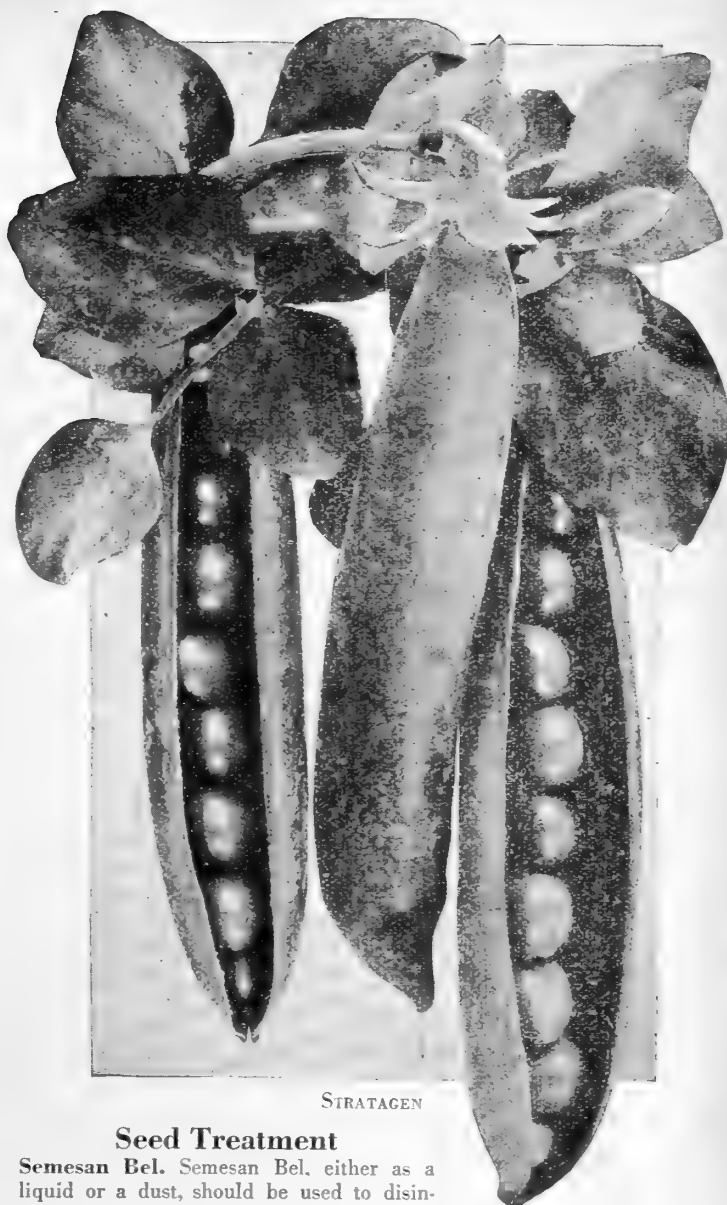
- Alderman.** The finest of the tall growing late varieties.
Height, 4 to 5 ft. pods, very large dark green, peas large,
and most delicious, there is no better pea grown. $\frac{1}{2}$ lb.
20c; 1 lb. 35c; 10 lbs. \$3.00..... .10
- Telephone.** The standard late tall, large podded variety.
Pods large light green and peas of best quality. $\frac{1}{2}$ lb.
20c; 1 lb. 35c; 10 lbs. \$3.00..... .10
- Dwarf Gray Sugar Edible Pod.** Early vigorous, prolific,
with a fleshy pod that is cooked like string beans. $\frac{1}{2}$ lb.
20c; 1 lb. 35c; 10 lbs. \$3.00..... .10

GERMAIN'S SEED POTATOES

Please write us for prices on the following varieties of seed potatoes: **British Queen, Early White Rose, Early Red Rose, Wisconsin Pride and Sweet Potatoes**, stating the quantity desired. Seed potatoes vary greatly in price with general market conditions, and we can assure you that we will at all times quote the lowest possible prices consistent with market conditions and the quality of the stock that we furnish. The production of high quality, disease free seed potatoes is one of our specialties. Probably the greatest cause of the perpetuation of potato diseases is the planting of cheaply priced seed potatoes that are diseased and produce crops of poor quality and low yields. The utmost care is taken in the production, inspection and selection of Germain's Selected Seed Potatoes to obtain stock that is uniform in size, true to type, vigorous and free from potato diseases. Some of our potatoes are California grown and some are Oregon grown. We are having our seed stocks of the varieties adapted to Oregon, grown there, on account of the fact that Nematode and Tuber Moth, two very serious potato diseases, are both unknown in Oregon, while they are existent in California.

Planting Directions

Write for our special booklet on the growing of potatoes. It contains detailed and valuable information.



SIRATAGEN

Seed Treatment

Semesan Bel. Semesan Bel, either as a liquid or a dust, should be used to disinfect seed potatoes before planting. A separate booklet is published on Semesan Bel which will be gladly sent to you upon request. For prices on Semesan Bel, see Page 110.



GERMAIN'S EARLY WHITE ROSE SEED POTATOES



PUMPKIN SMALL SUGAR

GERMAIN'S

Los Angeles - - - Since 1871

PUMPKIN

Note—Prices listed are postpaid.

Calabasa

Kuebis

Courge

Culture. Pumpkins grow and thrive in most any soil. A well-drained soil subject to irrigation is best. Pumpkins like other vine crops, should be irrigated carefully, not allowing the water too close to the main stock. As the roots are long, irrigation can be made at the ends of the vine. When the fields are covered by vine, irrigate midway between the rows. Too much water is very detrimental to the vines. Plant hills 8 to 10 feet apart each way, placing 4 seeds to a hill and after established pull out all but the one healthiest plant. Use one pound of seed per acre.

Boston Pie or Small Sugar. A very popular small variety. The skin is a deep orange yellow and the flesh sweet and fine grained. As famous in Boston as the Boston Beans. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... **PER PKT.** \$.10

Connecticut Field, or Jack O'Lantern. A fine variety for dairy ranchers, adding much to the quality and quantity of the milk and butter; an excellent keeper and can be strongly recommended. Oz. 20c; ¼ lb. 40c; 1 lb. \$1.25..... **PER PKT.** \$.10

Large Cheese or Kentucky Field. A heavy fleshed and remarkably sweet pumpkin. A splendid keeper and a fine sort for family or market use. Its large size makes it desirable for stock also. Especially adapted to Southern California. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... **PER PKT.** \$.10

Mammoth King. The best large pumpkin in use. Forms immense globular fruits, flattened a little at the end. Skin reddish yellow in color and flesh rich orange. This is unquestionably the very best mammoth pumpkin we have. It runs very uniform in shape and color and all are of immense size. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... **PER PKT.** \$.10

Japanese Pie. The flesh is nearly solid; the seed cavity being very small, fine grained, dry and sweet, having much the taste and appearance of sweet potatoes. They ripen early, keep well and are fine for home use. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... **PER PKT.** \$.10

Cushaw Green Striped
This large crook-necked Pumpkin is the best in warm locations. Yields a heavy tonnage and is used largely by dairymen. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... **PER PKT.** \$.10

Use Nitragin—It's Valuable

NITRAGIN is profitable to you, valuable to your legume crop and soil. Legumes: Alfalfa, All Clovers, Vetch, Peas, Beans, are used because they are supposed to take nitrogen from the air and deposit it in the soil. The contrary is true however if the plant does not have clusters of nodules on the roots. They actually take nitrogen from the soil.

Nodules are formed by Legume germs (bacteria). These bacteria take nitrogen from the air and transfer it to the plant, making the nodules—Nitrogen Storehouses.

NITRAGIN is a soil like substance containing millions of these nodule forming bacteria. It is, without a doubt, the most reasonable way of buying nitrogen.

Plants grow larger and healthier when they have sufficient nitrogen. Thus you obtain a bigger yield per acre.

NITRAGIN cost is very small. The one bushel size (60 lbs.) for Alfalfa, All Clover, Vetch, Peas and Beans is \$1.00 or about 33c per acre. You simply put your seed in a tub or other receptacle, moisten with a little water, mix NITRAGIN in for three or four minutes and then plant.

PARSNIP

Chirivia

Pastinake

Panais

Culture. Sow any month in the year in drills in rich soil one and one-half inches deep and fifteen inches apart, and cultivate the same as carrots; thin to four inches apart. One ounce of seed will sow about 100 feet of row.

Hollow Crown. The parsnip is a vegetable not fully appreciated by many and should be grown in every garden, for from a small space a season's supply can be produced.

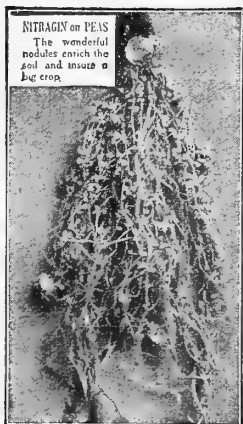
Our Hollow Crown is the best of the parsnips producing very fine long smooth pure white roots of fine quality. **PER PKT.** Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... **PER PKT.** \$.10



Germaco
Hotkaps
New Method of
Plant Protection

Protect Plants for
Profit and Force
Them to Earlier
Maturity

For complete information, see page 50.



The Original Legume INOCULATOR

Prices

Alfalfa, All Clovers

Size to Treat

15 lbs. of seed (¼ bu.).....	\$.40
30 lbs. of seed (½ bu.).....	.50
60 lbs. of seed (1 bu.).....	1.00
300 lbs. of seed (5 bu.).....	4.75

When ordering, always specify kind of seed.

Peas, Vetch, Beans, Austrian Winter Peas

Size to Treat

30 lbs. of seed (¼ bu.).....	\$.40
60 lbs. of seed (½ bu.).....	.60
100 lbs. of seed (1 ⅓ bu.).....	.90
200 lbs. of seed (3 ⅓ bu.).....	1.80
300 lbs. of seed (5 bu.).....	2.50

Soy Beans and Cow Peas

Size to Treat

60 lbs. of seed (1 bu.).....	\$.40
120 lbs. of seed (2 bu.).....	.70

Size to Treat

300 lbs. of seed (5 bu.).....	\$1.50
600 lbs. of seed (10 bu.).....	2.50

SEEDS

California's Best

RADISH

Note—Prices listed are postpaid.

Rabano

Radies

Radis

Culture. Sow any month of the year; will succeed in any good garden soil not oved-moist or too heavy. For early and late crop a warm, sheltered situation should be chosen; for those sown in summer, a rather shady spot must be selected. For a succession, sow every two weeks. The ground where the sowing is to be made should be dug deep and raked fine. The seed is generally sown thinly broadcast, in beds four to five feet wide, with one-foot alleys between. One ounce of seed will sow about 100 feet of drill, or a bed forty square feet.

PER PKT.

Scarlet Turnip White Tip. On account of its quick growing, fine quality and attractive color this is the leading home garden and market radish. By successive plantings you can keep your table supplied the year round. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25.....\$.10

Early Scarlet Turnip. Early bright Scarlet, crisp and tender. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10

Scarlet Globe. Globe shaped, rich bright scarlet color; is growing in popularity and promises to become a leading variety. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10

Crimson Giant. Rather larger than most of the short radishes of fine quality and remains in edible condition longer than most kinds. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10



RADISH
SCARLET
TURNIP
WHITE TIP



RADISH
WHITE
ICICLE

French Breakfast. A splendid variety for home use, oblong, bright scarlet white tip. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.2510

Long Scarlet. The best of the long red radishes, very attractive color and fine quality. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.2510

Iceicle. The leader among the long white radishes; pure white, very crisp and brittle. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.2510

California Mammoth White. A very large white radish introduced from the "Orient." Used when a large, rather pungent variety is desired. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.2510

China Rose Winter. A large rose colored variety from the Orient; very hardy and rather mild. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.2510

Japanese Summer Radish. Very large mild white radish from Japan. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.4510

Japanese Winter. Best of the very large white radishes for winter growing. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.4510

Black Spanish Long. A hardy, large, rather pungent variety for winter use. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.2510

Black Spanish Round. The short round type of winter radish. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.2510

GERMAIN'S

Los Angeles - - - - Since 1871

SQUASH

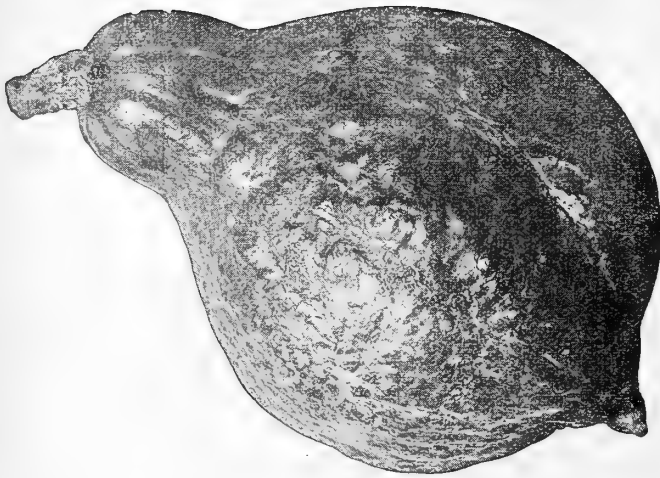
Note—Prices listed are postpaid.

Curga

Kuerbiss

Courge

Culture. Sow after danger of frost is past. Light, warm soil is best. Plant in hills prepared the same as for pumpkins and melons, the bush kinds about four feet apart, and the running varieties from six to nine feet apart, according to their nature, as some will run more than others. Plant about one-half dozen seeds in each hill and thin to **three** best plants. The earth about the plants should be kept loose and clear from weeds until runners are well started. Cutting off the leading shoots of the running varieties is recommended as having a tendency to promote growth and early maturity of the fruit. One ounce of seed will plant from thirty to fifty hills.



HUBBARD SQUASH

Squash—Winter

Banana. A deservedly popular variety growing 18 inches to 2 ft. long, 6 to 8 inches in diameter, skin grayish blue flesh yellow and fine grained. An excellent table variety without a hard shell. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50..... .10

Hubbard. Best winter variety, vigorous, productive. Fruit large, weighty, moderately warted, hard shell; color dark bronze green. A fine grained, thick, dry, richly flavored, orange-yellow flesh. Baked, it is similar to and as delicious as a sweet potato. We have spent a great deal of time and attention in selecting our stock and confidently recommend it. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50..... .10

Fordhook. An excellent variety of small winter squash; cream color, slightly fluted skin thin but tough; a good keeper. Oz. 20c; ¼ lb. 60c; 1 lb. \$1.75..... .10

Table Queen. A new introduction that is fast becoming popular. A first quality winter squash that keeps well but does not have a hard shell. It is heart shape with a dark green skin, rich yellow fine grained flesh, about 5 inches in diameter, which makes a convenient size to cut in half and bake for individual service. The fruits are uniform in size and shape and very numerous; in fact, we know of no other squash that sets so heavily and if picked as soon as mature will continue to set a new crop. You will be amply repaid by planting a few hills of this splendid variety in rich well fertilized soil. We highly recommend it for home garden and we believe it will take the place of older varieties with market gardeners as soon as they become acquainted with it as it far surpasses any squash of this type, both for quality and yield. Oz. 20c; ¼ lb. 60c; 1 lb. \$1.75..... .15

Squash—Summer

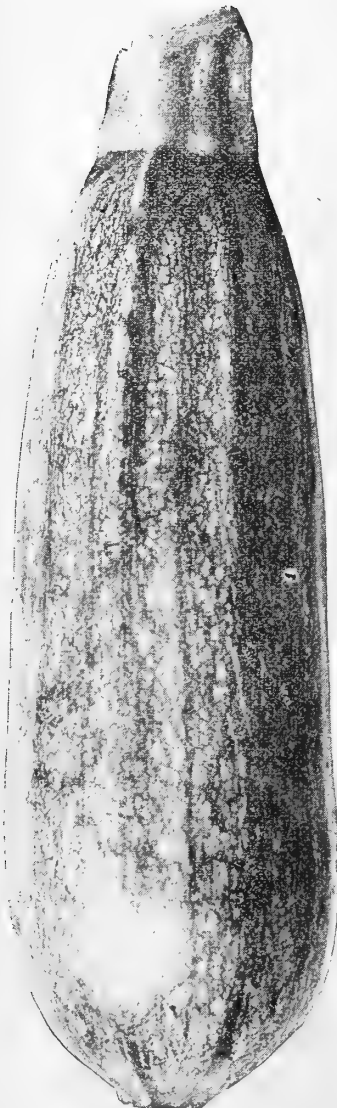
Italian or Zucchini. The variety most favored by market gardeners, is very early, prolific, fruits when immatured a light mottled green, very attractive and of finest quality. Oz. 20c; ¼ lb. 60c; 1 lb. \$1.75..... \$.10

Cocozelle. Another type of Italian Bush Squash much like Zucchini except darker color, which is striped light and dark green. Oz. 20c; ¼ lb. 60c; 1 lb. \$1.75..... .10

White Bush Scallop. A popular variety bearing profusely small rather flat white squashes with a distinct scalloped edge. Oz. 20c; ¼ lb. 45c; 1 lb. \$1.25..... .10

Summer Crook-Neck. Regarded by some as the best of the Summer Squashes. Fruits bright yellow, warted with Crook-Neck. Oz. 20c; ¼ lb. 50c; 1 lb. \$1.50..... .10

Long White Vegetable Marrow. An English variety, of fine quality and remains in edible condition till quite large. Oz. 20c; ¼ lb. 60c; 1 lb. \$1.75..... .10



SQUASH ITALIAN OR ZUCCHINI

SEEDS

California's Best

SPINACH

Note—Prices listed are postpaid.

Espinaca

Spinat

Epinard

Culture. An all-year crop. Sow early in spring, in drills one foot apart, and thin the plants as you need them for cooking. For winter and spring use, sow in September. One ounce of seed will sow about seventy-five feet of row.

Giant Amsterdam or Prickly Winter. The leading variety in our spinach list being used more by canners and market growers than any other and by successive plantings your garden will produce a crop of this healthful vegetable all the year except in the mid summer. The plant is vigorous, leaves large, thick and of finest quality. Plants are very slow to go to seed giving a longer cutting season.

PER PKT.

Grow your vitamins in your own garden by planting prickly Winter Spinach. Oz. 15c; ¼ lb. 20c; 1 lb. 60c..... .10

Bloomsdale or Savoy-Leaved Spinach. A favorite with market gardeners. It has thick, dark green wrinkled leaves and is very hardy. The earliest variety and one of the best for autumn use. Oz. 15c; ¼ lb. 20c; 1 lb. 60c.....\$.10

Viroflay. The leading smooth seeded variety used by both canners and market growers. Leaves large, smooth, thick, and tender. Oz. 15c; ¼ lb. 20c; 1 lb. 60c..... .10

New Zealand Spinach

Quite unlike other varieties as it grows a large spreading plant with small very thick leaves. Will thrive in any kind of soil and continue in use through the hot weather. Plant several seeds in hills 2 ft. apart each way, as seed coat is very hard, better growth is secured by soaking for 24 hours in warm water. Oz. 15c; ¼ lb. 35c; 1 lb. \$1.00..... .10

SALSIFY OR VEGETABLE OYSTER

Note—Prices listed are postpaid.

Salsifi Blanco

Haferwurz

Salsifs Blanc

Culture. Sow in early spring, one inch deep, in drills one foot apart and thin young plants to three or four inches in the row. The soil should be deep and loose, and never allowed to get dry. General care same as for parsnips and carrots.

PER PKT.

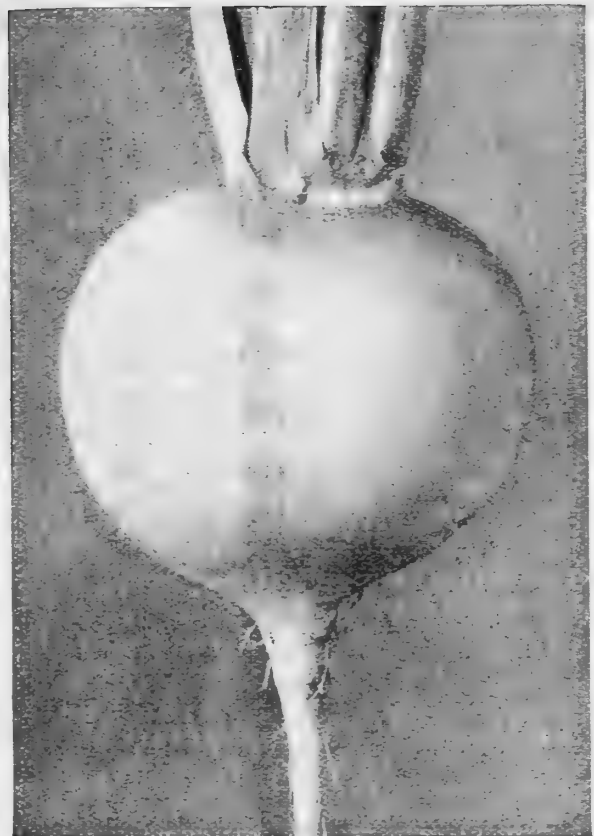
Sandwich Island Salsify. An improved type and the largest and most delicious salsify in cultivation, with long, white tapering roots. Oz. 25c; ¼ lb. 85c; 1 lb. \$2.50.....\$.10

Rutabaga or Swedish Turnip

What others do, you can do. Plant lots of Rutabagas for your stock and cut down your feed bill.

Culture. Same as for common turnip, but if anything, less exacting in care.

Improved Yellow-Purple-Top. The old, popular standard sort both for stock feeding and table use; flesh yellow, solid and sweet. Oz. 20c; ¼ lb. 25c; 1 lb. 75c..... .10



TURNIP PURPLE TOP
WHITE GLOBE

TURNIP

Note—Prices listed are postpaid.

Nabo

Ruebe

Navet

Culture. Sow during cool weather, from October to April. For early crops, sow the Early White Flat Dutch or Early Purple Top Milan during early winter; and for summer crops sow any of the other varieties at intervals of two weeks, in drills twelve inches apart; cover the seed lightly unless the season be very dry; thin out the plants to six or eight inches apart. For Fall or Winter use sow the Golden Ball or Purple Top Strap Leaf. Success depends upon the selection of soil and its subsequent preparation. Stir deeply.

PER PKT.

Purple Top White Globe. By far the leading variety in the local markets on account of its uniform shape, attractive color and fine quality flesh is sweet and tender and is slow to get pithy. Oz. 20c; ¼ lb. 30c; 1 lb. 80c.....\$.10

Purple Top Milan. The best extra early sort, rather flat purple above ground and white beneath. Top small, quality fine; the best of the early kinds. Oz. 20c; ¼ lb. 30c; 1 lb. 80c..... .10

Ey White Flat Dutch. Best of the early flat white turnip, quick growing, mild and tender. Oz. 20c; ¼ lb. 30c; 1 lb. 75c..... .10

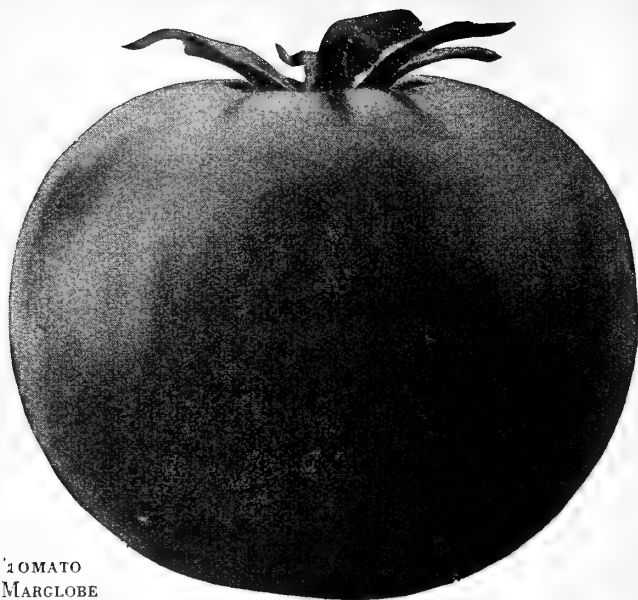
Purple Top Strap Leaved. An excellent small topped flat variety. Oz. 20c; ¼ lb. 30c; 1 lb. 75c..... .10

Early Snowball. The best of Pure White Globe shape turnip, very fine and mild flavor. Oz. 20c; ¼ lb. 30c; 1 lb. 75c..... .10

White Globe Pomeranian. A large pure white variety excellent for table use when young, and fine as a stock feed when full grown. Oz. 20c; ¼ lb. 30c; 1 lb. 75c..... .10

Golden-Ball. The finest of the yellow sorts. Top is small, roots medium size and excellent quality. Oz. 20c; ¼ lb. 35c; 1 lb. \$1.00..... .10

Cow Horn. This variety is pure white; in shape like a carrot, growing nearly half out of the ground, and slightly crooked. It is delicate and well flavored. Used also as a green-manuring crop. Oz. 20c; ¼ lb. 30c; 1 lb. 75c..... .10



TOMATO
MARGLOBE

Marglobe. No other tomato in recent years has created the sensation Marglobe has. It is the result of the work of Government experts in breeding a tomato resistant to wilt and has become in two or three years the leading variety among canners, shippers and market gardeners.

The vine is vigorous, resistant to disease, fruit a large, slightly flattened globe, of fine bright color, very firm and meaty and of the very best quality. You can make no mistake in planting your main crop of Marglobe. Oz. 75c; ¼ lb. \$2.50; 1 lb. \$7.50.....

PER PKT

Beefsteak or Ponderosa. Regarded by many as the finest quality of any tomato grown.

Very large, very solid and free from seeds; an attractive, pink, mild and pleasant; it is ideal for the home garden. Oz. 70c; ¼ lb. \$2.35; 1 lb. \$7.00.....

PER PKT

Strawberry or Ground Cherry. A distinct species; grows enclosed in a husk; excellent for preserves. Oz. 75c; ¼ lb. \$2.50; 1 lb. \$7.50.....

PER PKT

Yellow Plum. Fruit plum-shaped, of clear, deep yellow color, used for preserving. Oz. 75c; ¼ lb. \$2.50; 1 lb. \$7.50.....

PER PKT

Yellow Pear. A small early variety, good for preserves. Oz. 75c; ¼ lb. \$2.50; 1 lb. \$7.50.....

PER PKT

Red Plum. Small plum shape used for preserves. Oz. 75c; ¼ lb. \$2.50; 1 lb. \$7.50.....

PER PKT

Red Pear. Small pear shape for preserves. Oz. 75c; ¼ lb. \$2.50; 1 lb. \$7.50.....

PER PKT

GERMAIN'S

Los Angeles - - - - Since 1871

TOMATO

Note—Prices listed are postpaid.

Tomate

Liebesapfel

Tomate

Culture. Sow in hot bed or frame about September 1, for winter crop in frostless belts, or in early spring for summer crop. Growth must never be checked or a shortened fruit crop will result. When the plants are two or three inches high, thin them out and set in pots or in another bed, to give them room and make them "stocky." When five or six inches high, if the weather be warm and settled, transplant them to open ground, selecting a rainy day if possible; in the absence of rain, water and protect till well rooted. Set plants four feet apart each way. One ounce of seed will produce 3000 plants. The tomato requires a rather light soil to ripen early, but if handsome fruit and a plentiful crop be desired very rich soil should be selected and good cultivation given.

Earliana. The introduction of Earliana some years ago was an important event in tomato history, since that time there has been a number of Earliana Type Tomatoes introduced, all of which are selections of the original Earliana which still holds its place in the first early list, being hardy and productive, coming into fruit in the shortest time and rapidly maturing the entire crop of fine fruit. Oz. 50c; ¼ lb. \$1.65; 1 lb. \$5.00.....

PER PKT.

PER PKT.

First Early. An exceptionally good strain of Earliana Type, fruit high color, solid and smooth. Oz. 50c; ¼ lb. \$1.65; 1 lb. \$5.00.....

PER PKT.

Globe. Large fine pink main crop variety of very mild flavor and used very largely as a long distance shipper. Oz. 75c; ¼ lb. \$2.50; 1 lb. \$7.50.....

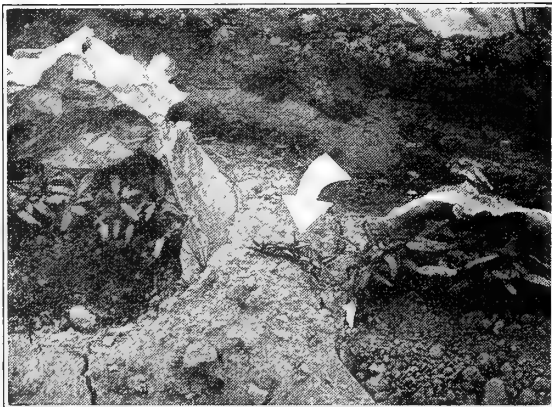
PER PKT.

New Stone or Norton. Another Government production in the disease resistant list and an old standby among the main crop varieties. Solid, meaty and fine quality. Oz. 60c; ¼ lb. \$2.00; 1 lb. \$6.00.....

PER PKT.



TOMATO
EARLIANA



These tomatoes were seeded in a drill. Compare the plants underneath the Hotkaps and those outside. Also, note the difference in the soil mulch. These plants grown under Hotkaps matured twenty tons of tomatoes per acre.

For complete information, see Page 50.

GERMAIN'S PREMIUM QUALITY FIELD SEEDS

Germain's Quality Alfalfa Seed

The two bags illustrated on this page picture the designs that have been selected by us to represent the highest qualities of Alfalfa seed that we believe are available. Seed that is packed under these two brands comes from carefully inspected fields that are absolutely true to type, of unusually high hay yields, and that are free from weed plants. After harvesting the seed is recleaned on our modern seed cleaning machinery, resulting in uniformity of size and color, and freedom from chaff, dirt and weed seeds. The seed is then tested and must reach a high standard of purity and germination before being packed in

sealed bags under Germain's Premium Brand Chilean and Golden West Brand Hairy Peruvian Alfalfa Seed. These brands have become the recognized standard of quality in Alfalfa Seed. Write for our special booklets on these two brands of Alfalfa Seed.

Germain's Premium Brand Chilean (Common) Alfalfa Seed. Chilean or While it will not ordinarily "Common" is the old type of Alfalfa Seed and is still the leading variety in use. yield as heavily as the Hairy Peruvian variety, still it has given most satisfactory results under a variety of conditions and we can therefore unhesitatingly recommend its use. Price per lb. 50c; 10 lbs. \$4.50, postpaid. Write for quantity prices.

Germain's Golden West Brand Hairy Peruvian Alfalfa Seed.

Hairy Peruvian Alfalfa Seed was first introduced by us in a commercial way to the farmers of California. Germain's Golden West Brand Hairy Peruvian Alfalfa will produce an average of more than two and one half tons more hay per acre than the Chilean Alfalfa Seed. It also has a longer producing season, is higher in food value and will recuperate more quickly after each cutting. We endorse and recommend this variety. Price pe pound 50c; 10 lbs. \$4.50, postpaid. Write for quantity prices.



"What
58 Years
Have Taught
about
Alfalfa
in
California"

—is the name of a
booklet published
by us—send for it
—FREE on request.



The Original Legume INOCULATOR Prices

Alfalfa, All Clovers

Size to Treat	
15 lbs. of seed (1/4 bu.)	\$.40
30 lbs. of seed (1/2 bu.)	.60
60 lbs. of seed (1 bu.)	1.00
300 lbs. of seed (5 bu.)	4.75

When ordering, always specify kind of seed.

Soy Beans and Cow Peas

Size to Treat	
60 lbs. of seed (1 bu.)	\$.40
120 lbs. of seed (2 bu.)	.70

Peas, Vetch, Beans, Austrian Winter Peas

Size to Treat	
30 lbs. of seed (1/2 bu.)	\$.40
60 lbs. of seed (1 bu.)	.60
100 lbs. of seed (1 1/2 bu.)	.90
200 lbs. of seed (3 1/2 bu.)	1.80
300 lbs. of seed (5 bu.)	2.50

Use NITRAGIN and Increase Your Tonnage

Inoculation of Alfalfa and other legume seeds with NITRAGIN is of great importance to growers. All legumes require a great deal of nitrogen. If the nodules on the roots are not there in quantity, the plant uses nitrogen from the soil instead of taking the nitrogen from the air placing it in the soil.

NITRAGIN is a soil-like substance containing millions of nodule forming bacteria which draw nitrogen from the air and give it to the plant.

Inoculate your Alfalfa Seed and other legumes. It only costs 33c per acre.

When ordering please specify crop to be used on.

FIELD BEANS

Since field beans are usually planted in large quantities we would request those making large plantings to write us for special prices as we are in a position to offer selected, true type varieties at the lowest prices consistent with market conditions. Prices on small quantities of all the varieties listed below are as follows: Per lb. 25c; 10 lbs. \$2.00 postpaid, except where noted.

Red Mexican. Grows like the Mexican Pink Bean, but is a much heavier yielder. Plant 30 to 40 pounds per acre.

Small White Bean (Navy). This is grown extensively on good soils. It is especially adapted to coastal valleys. Plant 25 to 30 lbs. per acre.

Lady Washington. Commonly known as the Large White Bean. It might be known as an all around bean, especially adapted to bottom lands and where moisture is easily obtained. Plant 25 to 30 pounds per acre.

Pink Bean. Will grow almost anywhere provided it has plenty of moisture. Will withstand very hot weather, and ripens early in the season. Plant 30 to 40 pounds per acre.

Pinto. A spotted bean slightly smaller than the Red Mexican. Grown extensively in California, New Mexico and Arizona, and is a very good paying crop. Sow 25 to 35 pounds per acre.

Field Lima. Commonly known as the Ventura Lima. Used for commercial purposes, and is grown on all lands subject to heavy fogs, such as

the Coast district. Plant 50 to 60 pounds.

Red Kidney. Can be planted very early as it is a bush variety. May be planted in 18 to 24 inch rows and cultivated by hand. Splendid for table purposes; also becoming very extensively known commercially. Plant 40 to 50 pounds per acre.

Henderson's Bush Lima. This variety is commonly known as the Baby Lima, being very small. It is unlike the large Lima bean in growth, as it can be raised in the interior dry sections. Plant 40 pounds per acre.

Clover Seeds

Quantity Prices and Samples sent on Request

Inoculate Clover Seeds with NITRAGIN

The expense, time and labor involved in raising a crop is the same whether your crop be large or small. Any increase in tonnage is therefore a net profit. We recommend that all Clover Seeds be inoculated with Nitragin before planting. By inoculating with Nitragin at a cost of only 35c per acre, you can get a 50% larger tonnage in Clover crops. For particulars see page 110.

Melilotus Alba. Melilotus Alba Clover is the only real rival to Alfalfa. Melilotus Alba has for the past few years been recognized as one of the leading summer cover crops, especially in orange and lemon groves, but today hundreds of tons of Melilotus Alba Seed are being sown in California as a general soil renovator. The large Beet Sugar companies of the State are using it to reclaim their alkali soils so as to put the land in shape for further plantings of sugar beets. Melilotus Alba White Blossom Sweet Clover is a biennial and therefore lives only two years and then dies. During this time it develops a tremendous tap root which penetrates the very hardest soil. It stands excessive moisture and also extreme drought. The flowers of the plant furnish excellent food for bees and the plant itself furnishes excellent pasturage for all kinds of live stock. A great many of the large ranchers are planting this clover to build up their land, and as it makes several crops through both winter and summer, during the two years of its growth, thousands of head of stock are being pastured on it during this time. It will grow on any kind of soil, from light sandy soil to heavy clay soil, and when once established requires very little water; in fact in some of the foothill sections of California the plant grows wild, re-seeding itself every two years and depending entirely on the annual rainfall for its growth. In California the seed is generally sown in the Fall of the year for the first rains, using on an average of 20 pounds of seed per acre. The seed can be sown with a nurse crop of grain or alone. The seed should be covered very lightly in a well prepared seed bed for best results. Prices: Per lb. 35c; 10-lb. lots, \$3.00 postpaid. Write for prices in larger quantities.

Mammoth Red Clover or Cow Grass (*Trifolium Pratense Perenne*). This plant is a mammoth strain and therefore a taller grower than Red Clover as described above. Price per pound 50c; 10 lbs. \$4.00 postpaid.

Alsike (*Trifolium Hybridum*). Very hardy, adapted for sowing on cold wet land. Planted at rate of 8 to 15 pounds per acre. It yields a large amount of hay or pasture and makes a good bee plant. Price per pound 50c; 10 lbs. \$4.50 postpaid.

Red Clover (*Trifolium Pratense*). Furnishes an excellent feed for pasture or hay purposes and is used to a very great extent throughout the country on lands unsuited to the growing of Alfalfa, and also in crop rotations. It will withstand colder temperatures than most varieties of Alfalfa and also will thrive in slightly wetter land than Alfalfa. We therefore recommend its use in the higher altitudes and colder sections. Plant 12 pounds to the acre. Price per pound 50c; 10 lbs. \$4.50 postpaid.

White Clover (*Trifolium Repens*). Used in this section practically exclusively for lawn purposes. See page 4. Price per pound 80c; 10 lbs. \$7.50 postpaid.

Bur Clover. Strongly resembles Alfalfa. It is a great nitrogen-gatherer. Valuable as a green fertilizer and thrives in shade. Also used on hill lands with other clover or grasses for pasturage. Our seed is carefully hulled and thoroughly re-cleaned. Plant at the rate of 15 pounds per acre. Price per pound 50c; 10 lbs. \$4.50 postpaid.

Melilotus Indica (*Sour Clover*). An excellent cover crop. See page 81 for detailed information and prices.

Hubam Clover. This plant differs from Melilotus Alba only in that it is an annual rather than a biennial. Therefore it will make more growth over a short period of time. It is popular among apiarists because it blossoms the first season planted and the blossoms provide ample supplies of food for the bees. It is very valuable for a cover crop and an excellent forage and hay crop. It is a heavy yielder and very drought resistant. Twelve pounds of seed will plant an acre of land and give maximum returns. Its drought resistant qualities are remarkable. Without irrigation and with less than one inch of rainfall after seeding, it grew seven feet high. Price per pound 55c; 10 lbs. \$5.00 postpaid.

Ladino Clover. This is a mammoth white clover growing very rapidly and furnishing an abundance of tender green feed, making it especially desirable for feeding young poultry. A new introduction but its increase in popularity amongst poultrymen indicates that it is a very valuable addition. Plant 20 pounds per acre. Price per lb. \$1.10; 10 lbs. \$10.00 postpaid.

MISCELLANEOUS FARM SEEDS

Quantity Prices and Samples on Request

Broom Corn: Cultivation. A thoroughly prepared seed bed is very essential and the soil should be in a moist condition at time of planting. Drill the seed in rows 30 to 60 inches apart at the rate of 6 to 8 lbs. of seed per acre. When the plants are up, thin out so that they stand 3 to 4 inches apart in the row.

Sterling Dwarf. Price per pound 25c; 10 lbs. \$1.75, postpaid.

Standard Tall. Price per pound 25c; 10 lbs. \$1.75, postpaid.

Flax. When grown for seed, plant forty pounds to the acre. One of the principal things to attend to when growing flax is to see that the ground is well cultivated. Price per lb. 30c; 10 lbs. \$1.75, postpaid.

Peanut: Virginia. The best variety for roasting; 40c lb.; 10 lbs. \$3.50, postpaid.

Peanut: Spanish. In addition to their value for nuts, these are very largely used in the South as a forage and fattening crop for horses and other stock. In har-

vesting, the nuts hang to the vine and the tops and nuts are fed together to hogs, cows, and horses as a whole grain ration. Spanish peanuts grow in more compact form than the Virginia Peanuts, making it possible to grow them closer and making the cultivation easier. 40c per pound; 10 lbs. \$3.50, postpaid.

Millet: German. Few other grasses or forage plants have been able to produce the enormous yield of this plant. It has produced 4 to 5 tons of hay to the acre, and from 70 to 80 bushels of seed. It can be sown on newly broken ground in the spring, and as late as July. Leaves the ground in excellent condition for following crops. Plant 30 lbs. per acre. Price per lb. 25c; 10 lbs. \$1.75, postpaid.

Millet: Proso. (*Hog Millet or Broom Corn Millet*). Grown very extensively in Europe and Eastern Asia for food purposes. In America it is very commonly used for poultry food. The culture is the same as

for the German Millet. Sow 70 lbs. to 80 lbs. to the acre. Price per pound 25c; 10 lbs.; \$1.75, postpaid.

Rape: Dwarf Essex. This crop is very highly recommended for pasturage for sheep and cattle, furnishing most rich and nutritious pasturage within six or eight weeks from the time of sowing. It also makes splendid green feed for poultry. 30c per lb.; 10 lbs. \$2.00, postpaid.

Salt Bush: Australian. (*Atriplex semibaccatum*). Will grow on alkaline soils. It is much relished by stock, supplying the necessary salt. Ounce 15c; pound 85c; 10 pounds \$7.50, postpaid.

Sunflower: Mammoth Russian. Makes heads double the size of the common kind. The yield is enormous from this variety. It has produced as high as 125 bushels to the acre. Plant 10 lbs. per acre. Per lb. 25c; 10 lbs \$2.00, postpaid.

GERMAIN'S COVER CROP SEEDS

(Green Manure Crops)

FALL COVER CROPS

Prices of cover crop seeds listed below are postpaid in quantities up to and including ten pounds. Cover crop seeds are, however, often purchased in large quantities and we therefore request buyers of sack lots or over to write us for special quotations. Our stocks are all thoroughly re-cleaned to insure their being of high purity and germination and free from noxious weeds.

Purple Vetch. The unquestioned superiority of Purple Vetch for fall cover crop planting has caused so large a demand for this seed that in most seasons the supply has not been adequate to take care of the demand. This has particularly occurred during the last few years. We have attempted this season to plant an adequate acreage for seed to take care of our trade, but inasmuch as the demand is constantly increasing and as there is always a possibility of a disappointing out-turn of our crop, we recommend that orders be placed as early as possible. We list hereunder the ten reasons why Purple Vetch is the outstanding cover crop.

We take special care in the production of our Purple Vetch Seed and our seed fields are rogued by hand to eliminate all off-type plants. Price per pound, 25c; 10 lbs., \$1.75. Write for quantity prices.

Vetch (Spring). The name "Spring Vetch" is somewhat misleading as this valuable cover crop seed should be planted in the fall any time from the first of August to the first of January. This variety is used by California orchardists as a cover crop to a large extent and we are able to provide large quantities of the most select seed. Plant at the rate of 60 lbs. to the acre. Price per pound, 25c; 10 lbs., \$1.75 postpaid.

Melilotus Alba (Sweet Clover). A biennial legume having a deep sturdy tap-root penetrating plough-soles and hard-pans, which no other plant will do. It may also be used as a spring cover crop. See page 39 for detailed information. Price per lb., 35c; 10 lbs., \$3.00 postpaid.

Bur Clover. Bur Clover is becoming increasingly popular as a cover crop seed for all planting. The table shows it to be second only to Purple Vetch in the nitrogen production per acre. It thrives in shady locations where other leguminous crops fail. Broadcast at the rate of 15 lbs. per acre on well prepared soil. Price per lb., 50c; 10 lbs., \$4.50 postpaid.

Hubam Clover. An annual legume which makes an excellent cover crop for fall planting and may also be planted in the spring. See page 39 for detailed information. Price per lb., 60c; 10 lbs., \$5.50 postpaid.

Fenugreek. Formerly used to quite an extent as a cover crop in California, and recently has come into prominence again. Plant 25 to 30 lbs. per acre on well prepared seed bed. Price per pound 30c; 10 lbs., \$2.50, postpaid.

Melilotus Indica (Sour Clover). This is the most popular cover crop in Southern California, and with the exception of Purple Vetch we can recommend it as the best cover crop to plant. Germain's were the original introducers of Melilotus Indica Seed in a commercial way to the farmers of California and each year we supply many hundreds of tons of this seed not only to the ranchers of this state, but also to the sugar planters of Louisiana and surrounding states to be used in renovating the soil in sugar plantations. Seeds should never be covered more than $\frac{1}{2}$ inch. We publish a special pamphlet on Melilotus Indica Seed giving detailed information that space in this catalog will not permit. This circular will be gladly sent to you without charge upon request. Price per pound, 25c; 10 lbs., \$1.75 postpaid. Write for quantity prices.

Yellow Mustard (Brassica Alba). More commonly used than other varieties for sowing in orchards on account of the fact that crop is generally ready to plough under in three months. One characteristic of this plant is a disadvantage in groves where orchard heaters have to be served, necessitating walking through the grove, the hollow stemmed character of the plant makes it very intolerant to tramping. Plant at the rate of 8 to 10 lbs. per acre August to December. Price per pound, 20c; 10 lbs., \$1.75 postpaid.

Wild Black Mustard (Brassica species). Also successfully used as a non-leguminous cover crop. Is very similar in habit to the White Mustard. Price per pound 20c; 10 lbs., \$1.50, postpaid.

Beans: Large Horse. The seed is about an inch long and about one-half inch wide and flat in appearance. Plant 50 to 60 lbs. to the acre. Price per lb., 25c; 10 lbs., \$2.00 postpaid.

Beans: Small Horse (Manchurian Horse Beans). Similar to the Large Horse Bean only smaller in size, but will yield the same amount of foliage. Plant 40 to 50 lbs. per acre. Price per lb., 25c; 10 lbs., \$2.00 postpaid.

Beans: Bell Type Horse. This is a still smaller Horse Bean and is planted at the rate of 30 to 40 lbs. per acre. Price per lb., 25c; 10 lbs., \$2.00 postpaid.

Canadian Field Peas. This legume has the distinct advantage of being suited to late planting. Canadian Field Peas may be planted in cold weather and furnish a most valuable cover crop. Plant 75 lbs. to the acre. Price per lb., 25c; 10 lbs., \$2.00 postpaid.

Spring Cover Crops

Whippoorwill Cow Peas. This variety is especially recommended for its quick growing habits and therefore is an ideal variety as a cover crop to counteract the June drop. Whippoorwill will grow on practically all kinds of soils and are great nitrogen producers. Plant at the rate of 60 to 90 lbs. per acre in the spring or summer after the ground is thoroughly warm and all danger of frost is over. Do not plant Cow Peas too early as they require warm weather and a warm soil to germinate. Price per lb., 25c; 10 lbs., \$1.75 postpaid.

Brabham Cow Peas. The Brabham is a crowder variety of Cow Pea, the culture and habits being very similar to the Whippoorwill. It however has the distinct advantage over the Whippoorwill in that it is nematode resistant. We therefore highly recommend the use of Brabham Cow Peas in any section where nematode is present, as it produces equally good results as the Whippoorwill Cow Pea and if grown repeatedly will eradicate nematode from the field. Price per pound 25c; 10 lbs., \$1.75 postpaid.

Brown Virginia Soy Beans. This is another variety of early spring or summer cover crop seed which is quite popular. We are offering this year the Brown Virginia Soy Bean which is far superior to all other varieties, as it is trailing in its habits, whereas most other Soy Beans are erect growers. Sow 30 to 45 lbs. to the acre if drilled, and 60 to 90 lbs. if broadcasted. Price per pound, 25c; 10 lbs., \$1.75 postpaid.

Blackeye Beans. These Beans belong to the Cow Pea family and although at times used for cover crop purposes with satisfactory results, we do not recommend their use when Brabham and Whippoorwill Cow Peas are available as they will not produce the tonnage of green manure or establish as deep a root system as these two varieties. Plant 30 lbs. to the acre. Price per pound, 25c; 10 lbs., \$1.75 postpaid.

Sesbania. A cover crop that is especially adapted to hot climates and therefore is being used to a great extent for planting in the Imperial and Coachella Valleys. It is a leguminous plant containing an abundance of nitrogen bearing nodules on its heavy tap root. Plant at the rate of 12 lbs. to the acre. Price per pound, 30c; 10 lbs., \$2.50 postpaid.

PASTURE AND HAY GRASSES

Write for quantity prices.

We have tried to list hereunder the chief varieties that have been successfully used in this section of the country. However, as a complete list of grasses will be too long to publish in this catalog we would appreciate your writing us for information and prices on any variety that you do not find listed herein and in which you may be interested.

(For Lawn Grass List, See Page 4)

Awnless Brome Grass (*Bromus Inermis*). Is unexcelled as a pasture grass under conditions of drought as it will withstand drought that will kill all other grasses. Plant 20 pounds to the acre. Price per pound, 60c; 10 lbs., \$5.50 postpaid.

Bermuda Grass (*Cynodon Dactylon*). This grass will stand the hottest and driest weather. Also it does well in any soil that is not too wet, and recovers quickly when grazed down. It is a very vigorous grower and is practically impossible to eradicate when once established. Sow on well prepared seed bed keeping the surface of the soil moist until the seed has germinated. Plant only in hot weather as seed will not germinate in cool temperatures. Price per pound, 75c; 10 lbs., \$6.00 postpaid.

Rhode Island Bent Grass (*Agrostis Vulgaris*). This grass resembles Red Top and makes a close sod valuable for permanent pastures and meadows. Plant 28 pounds per acre. Price per pound, \$2.00; 10 lbs., \$19.50 postpaid.

Dallas Grass (*Paspalum Dilatum*). This is one of the best pasture grasses for it not only furnishes a highly relished stock feed, but it is very hardy and will withstand a great variety of conditions. It grows on the poor as well as the rich soils and it will not die out under conditions of drought as it revives quickly as soon as moisture becomes available. It is also adaptable for growth in swampy lands and supplies thick matted roots that will support cattle on soft ground. It is a vigorous grower and will take root amongst and choke out weeds. Price per pound, 75c; 10 lbs., \$7.00 postpaid.

Chewings Fescue (*Festuca Species*). This is a stiff upright grower commonly used in mixture with Clover and Red Top for pasture purposes. Does well on most any kind of soil and also in shady places. Plant 15 to 20 pounds per acre. Price per pound, 75c; 10 lbs., \$6.00 postpaid.

Prices given in this section are necessarily only for small quantities as the market prices of field seeds vary considerably throughout the year. Therefore if you are in the market for larger quantities please write us for quotations and we will at all times quote you the lowest possible prices consistent with the prevailing market conditions and the quality of the seed offered.

Meadow Fescue (*Festuca Pratensis*). This is a very valuable species for permanent grass lands and is relished by live stock both in hay and pasture. Sow 15 to 20 pounds per acre on well prepared soil. Price per pound, 50c; 10 lbs., \$4.50 postpaid.

Harding Grass. This is an excellent pasture grass and it will withstand much hard usage and heavy tramping of stock. It is a perennial grass, originally coming from Africa, and will furnish an excellent feed for years but can easily be eradicated if desired. The growth is tender and sweet and will furnish grass all winter, except in severe snow storms or hard freezing. Under good conditions this grass will pasture one cow per acre per year. Tests have shown this grass to be equal to Alfalfa as a feed, and it never bloats. Plant in the early Spring at the rate of 2 to 4 lbs. per acre. Price per lb. \$2.00 postpaid.

Mesquite (*Holcus Lanatus*). Should be sown on burned over, virgin soils. No cultivation is necessary. Plant at the rate of 15 lbs. per acre. Price per pound 40c; 10 lbs. \$3.00 postpaid.

Orchard Grass or Cocksfoot (*Dactylis Glomerata*). Valuable if planted alone or mixed with other grasses. Very often mixed with White Clover, Red Clover and Rye Grass. Seed should be broadcasted at the rate of 12 to 15 lbs. per acre on well prepared soil. Price per pound 35c; 10 lbs. \$3.00 postpaid.

Red Top (*Agrostis Vulgaris*). A good perennial grass generally sown for permanent pastures. Does best on moist or even marshy land. If the ground is not overflow land mix with Meadow Fescue, Orchard Grass or Alsike Clover. Sow 14 lbs. of seed to the acre. Price per pound 60c; 10 lbs. \$5.00 postpaid.

Italian Rye (*Lolium Italicum*). A quick-growing grass attaining a height of 2½ to 4 feet; very desirable for temporary meadows or pastures. Thrives best on soils that are slightly moist, and will even stand considerable overflow. Grows easily and supplies an abundance of the best and sweetest hay imaginable. Sow 40 pounds per acre. Price per lb. 35c; 10 lbs. \$3.00 postpaid.

Australian Rye Grass (*Lolium Perenne*). A strong growing, hardy perennial grass, noted for its nutritive qualities. Is equally valuable for both grazing and hay. Plant forty pounds per acre. Price per pound 35c; 10 lbs. \$3.00 postpaid.

Pacey's Rye Grass. Valuable as a green forage plant for growing on lands not easily cultivated. Broadcast seed at the rate of 40 lbs. per acre. Price per lb. 35c; 10 lbs. \$3.00 postpaid.

Rhodes Grass (*Chloris Cayana*). This grass was first cultivated because of its pasture value. It bears pasturing very well, recovering quickly after it is eaten down; and is relished by all kinds of live stock. In favorable locations Rhodes Grass will support two steers to the acre nine or ten months out of the year, and in the more favorable parts of the year it will support double that number. It grows very thickly, producing from 5 to 10 tons of fine quality hay per acre. The hay contains a very large proportion of leaves while the stems are slender, tender and sweet so that the hay is eaten with very little waste. Price per lb. 75c; 10 lbs. \$6.50 postpaid.

Sweet Vernal (*Anthoxanthum Odorum*). Valuable to put in pasture mixtures on account of its earliness. Plant at the rate of 28 lbs. per acre. Price per pound 85c; 10 lbs. \$8.00 postpaid.

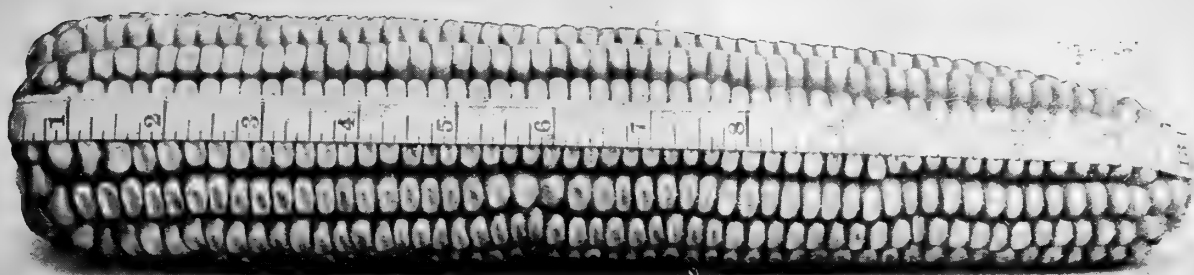
Timothy (*Phleum Pratense*). This is the most valuable of all grasses for hay. Thrives best on moist, loamy soil. Sow early in the spring or fall. Sow 15 to 20 pounds per acre. Price per pound 25c; 10 lbs. \$2.00; postpaid.

TABLE OF RELATIVE VALUES OF COVER CROPS

Compiled by W. M. Mertz from Experiments conducted at the University of California Citrus Experiment Station at Riverside.

Plot	Green Manure Crop	Average Tonnage of Green Manures on Acre Basis	Pounds Nitrogen Per Acre
1	COMMON VETCH	12.0	129.6
2	Non-Legume	10.9	61.0
3	Burr Clover	12.7	161.3
4	Non-Legume	9.0	50.0
5	PURPLE VETCH	20.0	228.0
6	Non-Legume	9.7	54.3
7	Vetch	12.8	133.1
8	Non-Legume	9.2	51.5
9	Canada Peas	7.5	95.2
10	Non-Legume	11.0	61.6
11	Tangier Peas	13.7	135.6
12	Non-Legume	8.7	48.7
13	MELILOTUS INDICA	13.7	152.0
14	Non-Legume	10.5	58.8
15	Fenugreek	12.3	136.5
16	Non-Legume	8.9	49.8
17	Lentils	12.1	157.3
	Average of Nine Legume Plots.....	13.0	148.2
	Average of Eight Non-Legume Plots.....	9.7	54.3

GERMAIN'S FIELD AND ENSILAGE CORNS



BIG JIM CORN

Note. Prices on field corns listed below are postpaid in quantities up to and including ten pounds. If larger quantities are desired, write us for special quantity prices.

If grown for the corn, field corn should be drilled in rows three feet apart, and two feet apart in the rows, requiring about ten pounds per acre. If grown for ensilage, the rows should not be over one foot apart, and thirty inches apart in the rows, requiring 50 to 75 pounds to the acre.

Corn—Field

Big Jim Corn Germain's Big Jim Corn has fulfilled our highest expectations. It has proven to be the greatest corn ever introduced in the Southwest. It has met with unanimous approval as is evidenced by the hundreds of testimonials that we are receiving—testimonials from men who have grown corn for years in the corn belt states. They say they have never seen anything to equal it. It has outyielded every other variety grown, some of the yields running as high as 100 bushels per acre. The ears of Big Jim Corn, usually borne two on each stalk, average from 10 to 14 inches in length and eight inches in circumference. The kernels are a rich yellow and very large. The cob is proportionately small. The stalks attain an enormous height, bearing an abundance of large leaves.

For Ensilage. Big Jim Corn produces such an enormous growth of stalks and leaves that we are convinced that it is unsurpassed as an ensilage corn. It is not uncommon for Big Jim to produce from 35 to 40 tons of green corn per acre when sown thickly enough. Furthermore, the feeding value of this silage is greatly increased by the heavy yield of grain. Big Jim Corn for silage will insure the grower the greatest possible returns per acre.

Seed Selection. Special attention has been given to improving our Big Jim Corn. Only the best seed stock of this variety is planted, seed that came from perfect ears and high producing fields. The fields are given the most careful attention. They are regularly inspected by our corn experts, and the work is carried out under their direction. The corn is carefully suckered, and any smutty stocks are quickly eliminated. The perfect ears, selected for seed, are dried on the cob, after which they are butted and tipped and shelled. The shelled corn is then carefully hand picked and put up in sacks for delivery. While this work is somewhat expensive, adding slightly to the cost of the seed, the increased yield resulting, more than offsets the increased cost.

1 lb. postpaid, 30c; 10 lbs. postpaid, \$2.50

WRITE FOR PRICES IN LARGER QUANTITIES

Hickory King, White. This corn is entirely distinct from all other varieties, having the largest grain with the smallest cob ever introduced in a white corn. Price per lb. 25c; 10 lbs. \$1.75, postpaid.

Improved Leaming Corn. Yellow. 1 lb. 25c; 10 lbs. \$1.75, postpaid.

Semesan Jr. should be used to disinfect seed corn before planting, to destroy such disease germs and fungus spores as adhere to the surface coat or in some cases exist internally. Semesan Jr. possesses remarkable properties for sterilizing seeds, accelerates germination, stimulates growth, influences earlier maturity, develops sturdier plants, and increases crop yields. See Page 110 for prices.

Ensilage Corn

Eureka Ensilage Corn. Eureka Ensilage corn is one of the heaviest yielding ensilage corns adapted to California climatic conditions. It grows to an average height of 14 feet, has very leafy stalks bearing one to three ears to the stalk, and has established a record of an average production of 30 to 35 tons per acre. This when cut and put in the silo, furnishes a feed that is very succulent and of the highest feeding value, and is relished by all kinds of stock.

Our seed stock of Eureka Ensilage Corn is of exceptionally fine quality and is selected for size and uniformity, for both ear and kernel.

Price per lb. 25c; 10 lbs. \$1.75 postpaid.

Write for quantity prices.

Orange County Prolific

Orange County Prolific is a California product of the white dent variety. It is also an exceptionally heavy yielder and highly recommended for ensilage purposes. We consider it next on the list following Eureka Ensilage Corn. What we have said regarding the selection of our seed stock for Eureka Corn also applies to this variety.

Price per lb. 25c; 10 lbs. \$1.75 postpaid.

Write for quantity prices.

Mexican June Corn, White. Very early and hardy, stalks growing to an average height of 7 or 8 feet and producing 30 to 60 bushels of corn per acre. This corn is also used for Roasting purposes in many sections of California. 1 lb. 25c; 10 lbs. \$1.75, postpaid.

Ried's Yellow Dent. A very popular variety of yellow dent corn for seed and silage. Is a good yielder. Price per lb. 25c; 10 lbs. \$1.75, postpaid.

Price per lb. 25c; 10 lb. \$1.75 postpaid.

King Philip, Yellow. This is a hard yellow flint corn and is generally referred to as ninety-day corn. It is drought resisting and will give a fair yield where most corns are a failure. 1 lb. 25c; 10 lbs. \$1.75, postpaid.

Pop Corn

See page 61.

Broom Corn

See page 80.



A PERFECT FIELD OF SUDAN GRASS GROWN FROM OUR SEED

SORGHUMS AND SUDAN

Write us for Quantity Prices and Samples.

Saccharine Sorghums

Early Amber. Furnishes a large field of most nutritive forage, which can be fed either green or cured, and will yield two or three cuttings a year, stooling out thicker each time it is cut. It grows ten to twelve feet high. Sow broadcast for forage at the rate of 60 pounds per acre. When sown in drills, sow at the rate of 10 pounds per acre in drills three and a half to four feet apart. Per lb. 25c; 10 lbs. \$1.75, postpaid.

Honey Sorghum. Is the prize variety without a doubt. We have seen it growing in Imperial Valley, San Diego County, San Joaquin Valley, and in the vicinity of Los Angeles. All growers every year are loud in its praise.

Honey Sorghum is a selection from one of the earliest introductions, and has been regarded with special favor for ensilage and for syrup purposes. It is the best variety for silage purposes, having slender leafy stalks, varying in height from eight to twelve feet. It is medium late maturing and has decidedly tender stalks, and is important from a forage standpoint. Imagine an average of twenty-seven tons or over per acre.

The method of seeding will be determined largely by the purpose for which it is grown. When the crop is to be used for fodder or silage, it is usually planted in rows 3 to 3½ feet apart, using up to 4 pounds of seed per acre.

Price per lb. 25c; 10 lb. lots \$2.00, postpaid. Write for special prices in larger quantities.

Orange Sorghum. In habit of growth it is very similar to Early Amber Sorghum, but does not stool quite so closely nor does it grow quite so thickly. Per lb. 25c; 10 lbs. \$2.00 postpaid.

Non-Saccharine Sorghums

Dwarf Milo Maize. Germain's select strain of Fancy Dwarf Milo is an entirely different type, growing to a uniform height of 4½ to 5 feet; its stalks being a mass of leaves over-lapping each other and under average conditions yielding from 2 to 2½ tons of threshed grain per acre.

It is drought resisting, a vigorous producer, easy to harvest and it is the finest grain we know.

Plant six pounds per acre in rows 3 feet apart and plant six to twelve inches apart in a row. Planting should be done in the spring, after all danger of frost is past and when the ground is warm.

Price per lb. 25c; 10 lbs. \$2.00, postpaid.

Double Dwarf Milo Maize. Similar in all its characteristics to the Dwarf Milo Maize except in height. This strain grows 2 to 2½ feet tall and therefore can be combined. Planting instructions are the same as the Dwarf Milo Maize. Our seed of this variety is carefully selected for trueness to type and uniformity. Price per pound 25c; 10 lbs. \$2.00, postpaid.

Sudan Grass. Is the most drought resisting annual ever introduced. Since its introduction in 1915 its popularity has increased regularly and it has now come to stay. It grows on a wide range of soils from sand to clay, and produces from four to six cuttings of highly nutritious hay per acre. As a pasture crop it is unexcelled, and succeeds where others fail. Sow 15 to 20 lbs. of seed per acre in the early spring after all danger of frost is past, and you will be assured of a bountiful supply of forage until late fall.

The price is ½ lb. 15c; 1 lb. 25c; 10 lbs. \$2.00, postpaid.

Egyptian Corn. This is also one of the drought resisting non-saccharine crops. The grain is produced in large compact heads and the seed is flat and pure white. This seed is used very extensively as a chicken feed and also ground into flour which is used for edible purposes. Plant the same as Milo Maize. Price per lb. 25c; 10 lbs. \$2.00, postpaid.

Feterita. This sorghum was secured from Sudan, where it is commonly grown under the name of Feterita; an early maturing plant valued both for grain and forage. It resembles Milo in habit, except that the heads are uniformly erect, seeds bluish white in color. In drought resistance it compares favorably with any sorghum yet introduced. Sow 6 pounds to the acre. Price per lb. 25c; 10 lbs. \$2.00, postpaid.

White Kafir. Unsurpassed for dry alkali land, on which no better fodder and grain crop grows. A prolific member of the sorghum family, having more foliage and smaller stalks than the other varieties, and harvested very easily. Its great root system enables it to produce wonderfully in drought sections and to break up new ground for other crops. Cattle relish the stalks; the grain is valuable food for poultry. Plant three pounds to the acre. Price per pound 25c; 10 lbs. \$2.00, postpaid.

Hegari. A recent introduction. Experiments have been made on this crop in Arizona and it is claimed that it is a little sweeter than Kafir Corn or Feterita. The seed is round and white and does not shatter very readily. The heads grow very erect. It is drought resisting and stands some alkali. Plant six pounds to the acre. Price per pound 25c; 10 lbs. \$2.00, postpaid.

CEREAL GRAINS

Write for Quantity Prices

We carry in stock the following Grain Seed. Due to market changes, we are unable to list prices. We solicit your inquiry and will be pleased to quote you the lowest possible prices on your seeds. Samples will be sent when requested. BARLEY, Beardless, Common; OATS, Red Rust Proof (Texas Grown), Red Rust Proof (California Grown), Kanota; BUCKWHEAT, Japanese; RYE, Common or Winter; WHEAT, Federation, Sonora, Turkey Red, Early Baart.

Germain's Roses

1932 Novelties and Specialties

Outstanding among the 1932 introductions are such roses as Olympiad, Mrs. Sam McGredy, Mrs. G. A. Van Rossem, Edith Nellie Perkins—roses that have proven their worth after intensive and careful garden trial. We confidently present this page of roses, secure in the knowledge that they will more than repay you in their glorious blooms.

DUCHESS OF ATHOLL. The coloring of this new variety is uncommon and delightful, an old golden orange flushed with peach pink, particularly attractive in the bud and open state, growth vigorous, a continuous profuse bloomer. \$1.00 each; \$1.10 postpaid.

E. G. HILL. The flower is scarlet, shading to a deeper pure red as it develops. It produces long stems naturally and the foliage develops freely and is of fine color. A good producer and an unusually good keeper. Does not fade even during the hottest weather. Sweetly scented. Will fill a long felt want for a good red rose that does not turn purple, is easy to grow and does not mildew. 85c each; 95c postpaid.

EDITH NELLIE PERKINS. Entirely distinct in coloring and of such strong robust growth that it should succeed anywhere and produce an abundance of its pretty colored flowers. The buds are long and pointed, the outside of the petals are of cream and blush shaded with orange at the base, the inner face is salmon-pink with golden-orange base; the flowers are moderately double, produced on long stems and sweetly scented. \$1.25 each; \$1.35 postpaid.

ETOILE DE HOLLAND. Brilliant red blooms of large size, perfect in the half open state, petals extremely large, a rose that holds its color well and is comparable with the best red roses grown. Very fragrant. 85c each; 95c postpaid.

JOANNA HILL. A splendid and distinct sort that showed up in our trials as a rose that will be extremely popular. Large buds and blooms that are high pointed, and at no time do they become flat. Color is a delicate shade of golden yellow, deepening toward the center to a warm apricot tinge. Stems strong and foliage healthy. Fragrant and free flowering and especially fine for cutting. 85c each; 95c postpaid.

LORD CHARLEMONT. (See color page—back cover) 85c each; 95c postpaid.

MARGARET MCGREDY. (See color page—back cover) 85c each; 95c postpaid.

MISS ROWENA THOM. (See color page—back cover) 85c each; 95c postpaid.

MME. HENRI QUEUILLE. This splendid Rose in the formation of its large, full flowers, strong, vigorous, healthy growth and freedom of flowering reminds one of the same raiser's popular bedding variety, Souvenir de Georges Pernet, excepting in color which is much lighter, being a pretty shrimp or coral pink on an orange base. \$1.00 each; \$1.10 postpaid.

MRS. A. R. BARRACLOUGH. One of the finest Roses yet introduced. We have in this variety a most distinct and valuable addition, of a bright but soft sparkling carmine-pink of even tone that passes to yellow at the base of the petals; this attractive color does not fade as the flower ages, but if anything becomes richer and brighter. 85c each; 95c postpaid.

MRS. ERSKINE PEMBROKE THOM. The best yellow bedding Rose we have today. It is of clean healthy vigorous growth with abundant dark bronzy disease-resisting foliage and a continuous free bloomer throughout the season. The good-sized buds are long and shapely and develop into full double flowers of a rich deep lemon yellow sweetly scented. \$1.00 each; \$1.10 postpaid.



MRS. G. A. VAN ROSSEM. A marvelously beautiful Rose with a unique color combination not found in any other variety, a most striking blending of dark vivid orange and apricot on a golden yellow ground with frequently touches of bronze on the reverse of the petals. The sweet-scented flowers are very large, of perfect formation both in the bud as well as in the fully developed flower and are produced very freely on vigorous upright growths. \$1.25 each; \$1.35 postpaid.

MRS. SAM MCGREDY. Buds long pointed opening to a large high-centered double, very lasting, moderately fragrant flower of a striking copper orange, heavily flushed with Lincoln-red on the outside of the petals; growth vigorous, a free and continuous bloomer. \$1.50 each; \$1.60 postpaid.

MRS. W. E. NICKERSON. Long pointed bud and large long lasting flower, chrome yellow passing to rosy salmon at base, reverse-veined golden pink. Growth vigorous, free flowering, moderately fragrant. 85c each; 95c postpaid.

NORMAN LAMBERT. A distinct color combination that is novel. The outside of the petals is a deep chrome yellow with a marginal color effect of brilliant orange scarlet merging to an irregular zone of burnt orange, the inside salmon-orange suffused bronze, shading to yellow at the base. The flowers are of medium size and form, delightfully fragrant and free-flowering. 85c each; 95c postpaid.

OLYMPIAD. (See color plate—inside back cover) \$2.00 each; \$2.10 postpaid.

PRESIDENT HERBERT HOOVER. (See color page—back cover) \$1.25 each; \$1.35 postpaid.

REV. F. PAGE ROBERTS. A rose of remarkable form and color. Long pointed buds of coppery red and yellow on the outside, opening to full fragrant flowers of golden yellow. Vigorous branching habit, beautiful foliage. 85c each; 95c postpaid.

TALISMAN. (See back cover) 85c each; 95c postpaid.



MRS. C. W. EDWARDS. Rich rosy-scarlet overlaying an orange ground, the base of the petals prettily zoned citron-yellow which runs in faint veinings into the higher colors; a novel color combination. Large, full, fragrant flowers.

MRS. H. R. DARLINGTON. A long felt want in a white rose. Buds are creamy white, but turn to pure white as the flower expands. A rose of delightful fragrance and beautiful form. Awarded the Gold Medal by the British National Rose Society.

MRS. HENRY MORSE. A bright flower of two contrasting tones of pink, with an underlying yellow glow; double, high-centered, large, moderately fragrant. Plant tall and branching; foliage a little sparse. Very free blooming and has proved quite hardy.

MRS. LOVELL SWISHER. A California rose of unusual merit. The color of the buds is a deep coppery salmon at the base, merging to salmon pink at the tips. As the flower expands the color deepens to a coppery tinge towards the center. They are delightfully tea-scented.

MRS. W. C. EGAN. The color is a lovely shade of two-toned pink, shading through deep flesh to golden yellow at the base of the petals. The contour of its long, pointed buds and the splendid formation of the open bloom with its glorious combination of colors, its fragrance and robust free flowering habit, will insure for this splendid variety a well deserved and lasting popularity.

SOUVENIR DE H. A. VERSCHUREN. A fine orange-yellow which we believe is far superior to Sunburst. Does not fade in hot weather and keeps well as a cut flower. Stems are stiff, carrying buds well above the heavy leathery foliage.

WILHELM KODES. Unique and entirely distinct in coloring; a rich capucine red with coppery suffusion overlaying a golden-salmon ground, varying in intensity under different weather conditions, but always beautiful and particularly high colored early in the season and in the autumn. The buds are long and pointed, opening to double high-centered very fragrant flowers. Habit compact but vigorous, very free flowering.

Fifteen Outstanding Sorts

Included among the following are the varieties which were among the novelties of just a few years ago. All good standard sorts which have proven their worth and have attained exceptional popularity.

65c Each by Express Collect; 75c Each postpaid.

ANGELE PERNET. A rose that attracts immediate attention. It is described as a vivid orange-yellow, shaded fiery deep red-dish apricot, but "tango color," we believe, describes it better. It is a good grower, producing a long bud opening to a moderately full, beautiful sweet scented flower that is admired by all.

CONSTANCE. Deep orange-yellow, splashed and streaked crimson. Medium sized flowers. A steady bloomer. Plant inclined to grow dwarf. A little harder to grow than most roses but well worth the trouble.

DAME EDITH HELEN. (See color page—back cover).

ETOILE DE FEU. Very distinct and attractive globular buds expanding to large, cupped, full to center flowers, of a rich flaming orange-pink with flame colored shadings, borne profusely throughout the season. The plant is of vigorous free habit with glossy foliage.

FEU JOSEPH LOOYMANS. (See color page—back cover).

LADY FLORENCE STRONGE. An entirely new, distinct and novel color; a reddish prawn to violet old rose shading to yellow at the base and pink towards the edge; the inner surface of the petals heavily veined and flushed scarlet, the flowers are large, full with high centres and fragrant.

LADY MARGARET STEWART. A rose of unique and distinct color, the flowers in the young stage are a deep sunflower yellow heavily veined and splashed with orange-scarlet with the reverse of the petals deeply suffused with carmine as the flowers develop. Delightfully sweet scented. Growth very vigorous and upright with beautiful, glossy, deep green, serrated foliage.

LULU. The best of its kind. The color is a deep rich apricot. Buds are long and pointed, similar to Irish Fireflame in form but with twice as many petals. A fine corsage or buttonhole rose.

One Each of the 15 Varieties on This Page by Express Collect for \$10.75; Postpaid \$12.00.

Germain's Premium Dozen Roses

All are hardy and everblooming varieties, of the newer sorts that have proven their worth.

DAME EDITH HELEN. Soft rose pink—beautiful blooms.

E. G. HILL. Scarlet shading to deep red.

FEU JOSEPH LOOYMANS. Tangerine yellow with apricot center.

JOANNA HILL. Golden yellow shading to apricot.

LORD CHARLEMONT. Intense clear crimson scarlet.

MARGARET MCGREDY. Turkish red passing to carmine.

MISS ROWENA THOM. Oriental rose shading to bronze.

MRS. LOVELL SWISHER. Coppery salmon merging to salmon pink.

OLYMPIAD. Glowing oriental scarlet.

PRESIDENT HOOVER. Pink, yellow and copper.

TALISMAN. Gold, yellow, apricot and old rose.

WILHELM KODES. Golden salmon with copper.

One strong plant each of the above Premium Dozen all bush roses for \$8.00 postpaid anywhere in the U. S. A.

Popular Garden Favorites

These roses are the novelties of former years. There is nothing cheap about them but the price. Plants are grafted on hardy vigorous stock and will produce magnificent blooms continuously throughout the season. Many of the roses you have most admired are in this collection. This year we have lowered the prices on a large number of varieties that have been selling at higher prices.

50c Each by Express, Collect; Postpaid, 60c Each.

AMERICAN BEAUTY. One of the best roses for the hot interior sections of the Western United States. Does magnificently in Arizona, Imperial section, etc. Throws especially fine, large blossoms during early fall and spring. Fragrant.

BETTY UPRICHARD. While the blossom of this variety is not large, yet its color is sufficient reason why it should be in every garden. Buds are coppery red and as the flower expands the outside of the petals are orange carmine, inside a delicate salmon pink; flowers are sweet scented and semi-double.

BLACK PRINCE. Intensely dark crimson, approaching black. Flower cup shaped, large and full, an old favorite. Stock is always very scarce. Bush is extremely hardy. Fragrant.

CECILE BRUNNER. This is the popular Baby Pink or "Sweet-heart" Rose. In the past year or two this Rose has fairly jumped into popularity. It has become quite the rage. It makes a handsome miniature rose, coming in sprays of three to five buds. Color, blush, shaded light salmon-pink; distinct and desirable.

COLUMBIA. A rose which is popular with all cut flower buyers throughout America. In color a delightful shade of rose pink. In outdoor planting the bushes attain a moderate height and blossom freely through a long season.

CRIMSON QUEEN. Flowers bright velvety crimson, a strong grower, and a continuous bloomer. Fragrant, and fine for cutting. Buds long and pointed.

DUCHESS OF WELLINGTON. Saffron yellow stained crimson. As the flower ages it becomes a deep saffron yellow. Blooms fairly full, buds long and pointed, very free flowering.

EDWARD MAWLEY. Brilliant fiery red, color particularly bright in the Fall. The opening buds are shaded velvety crimson inside, double and fragrant.

FELICITY. A rose of peculiar distinction and high quality. The large cupped flowers are very freely produced on bushes of strong vigorous habit, color a beautiful mallow pink, shading to cerise towards the edges of the petals, a rich warm and attractive shade. Particularly fine in the Fall.

FRAU KARL DRUSCHKI OR WHITE AMERICAN BEAUTY. An ideal hardy white rose, pure white in color. A remarkably vigorous grower. Free flowering to a degree. In our opinion, the best of all white roses. Very hardy.

GEN. JACQUEMINOT. An old time variety that is still finding favor. Rosy crimson, fragrant and hardy.

GEN. McARTHUR. One of the most popular and freest blooming of all red garden roses. Color is a bright rosy crimson. Especially valuable for bedding purposes. Fragrant. Sometimes inclined to fade in hot weather but nevertheless worth while.

GEORGE AHRENDT OR PINK AMERICAN BEAUTY. This is the wonderful "Pink American Beauty." The growth and make-up of the plants is superb; the color an even satiny pink.

GEORGE ELGER OR YELLOW CECILE BRUNNER. A counterpart of the popular Salmon Pink Cecile Brunner only the color is a clear lemon yellow. A popular yellow "Baby Rose."

GOLDEN EMBLEM. Flower similar in color to "Constance" and having the same crimson stripe on outer petals, with high pointed center; tea perfume. Growth free and branching with splendid constitution, deep glossy green foliage, stout stalks and mildew-proof; extra perpetual flowering. One of the best yellow roses grown.

HADLEY. A rich glorious red shading to velvety purple. Flowers exceedingly fragrant. Buds are high and pointed. A rose that should be in every collection. Highly recommended.

HOOSIER BEAUTY. A dark rich velvety crimson of even color. Produces long stems. Flower is double and pointed. Sweetly scented. Not inclined to mildew. With the Hadley this variety can be rated as one of the best reds.

IMPERIAL POTENTATE. A splendid new rose of perfect form. Exquisite in bud and developing into large, very double, substantial flowers, very prolific and delightfully tea-scented. The color is a pleasing shade of deep, clear rose pink. It is one of the finest pink roses of recent years. Fine for cutting.

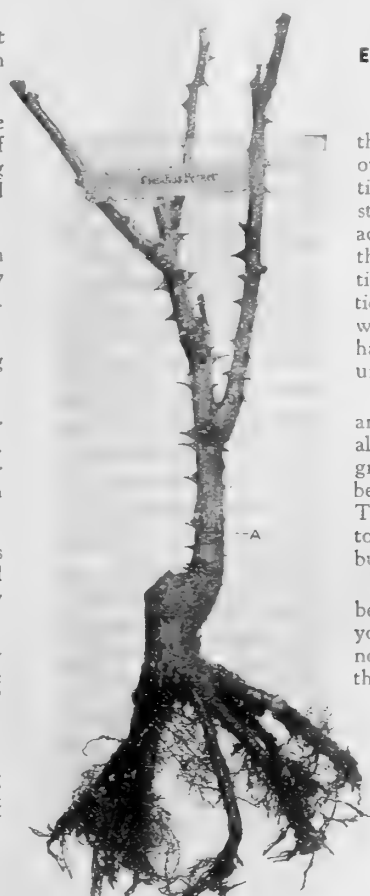
IRISH ELEGANS. A beautiful single bush rose of fine form, long and pointed. Color bronzy-orange to pink, shaded to apricot. An excellent rose for corsages.

JONKHEER J. L. MOCK. Enormous deep rose-colored blooms, equally beautiful in bud or open flower. Throws splendid canes. An ideal cut flower variety.

JULIET. A wonderful combination of orange, scarlet, salmon, gold, etc. By way of color it is one of the most sensational roses ever introduced. Hardy in all sections. Especially fine in early Spring and late Autumn.

KAISERIN AUGUSTE VICTORIA. A free, healthy grower, with splendid foliage and superb buds. Pure white, occasionally tinted with cream at the center of the open flowers.

LADY HILLINGDON. Slender, pointed buds and elegantly cupped flowers of deep saffron-yellow, paling toward the edges and becoming lighter as they expand; fragrant. The plant is erect with perfect foliage.



EXTRA STRONG AND HARDY STOCK

Much has been said regarding the merits of budded roses and own root roses. With few exceptions we find that the budded stock is stronger and better adapted to varying conditions than is the own root stock. Practically 95 per cent of our varieties are budded on Ragged Robin which we have found after exhaustive tests to be the best understock.

These roses are extra vigorous and of finest quality. They are all 1st grade, 2 years old, field grown stock. No finer roses can be bought anywhere at any price. The reasonable changes are due to the great quantities grown—but you cannot buy better roses.

Cutting of Flowers. Do not be afraid to cut the flowers from your plants as this will do them no harm. Rose bushes produce the largest and finest blooms when flowers are cut at least every second day. A good rule to follow when picking the blooms is to cut the flowering stem back to within 2 or 3 leaves from where it branches out of the main stem.

Any of the varieties on this page 50c Each; Postpaid 60c.

Popular Garden Favorites (Continued)

Any of the Following Roses 50c Each; Postpaid 60c.



PADRE

LOS ANGELES. A world-renowned "Gold Medal" variety. Originated in Los Angeles, this superb rose has created a sensation wherever grown and should be in every garden. Its color is a rich glowing flame pink shading to apricot and yellow at the base of the petals. Long pointed buds expanding to glorious size.

LOUISE CATHERINE BRESLAU. (See color plate — back cover).

MAMAN COCHET. Carmine-pink, double blooms of fine form and substance, creamy buff at the center. Spreading, wiry growth; free blooming and very hardy for a Tea Rose. Grows very large in favorable climates. Foliage never troubled by disease and a splendid fall bloomer.

MISS LOLITA ARMOUR. Burnished buds and copper flowers with a reddish orange tinge; fully double, cupped, and fragrant. The plant is strong but on account of the large flowers sometimes hangs its head.

MME. ABEL CHATENAY. Blooms light pink shaded salmon, a persistent bloomer. Foliage is rather small and bud of medium size growth rather spreading.

MADAME BUTTERFLY. Light salmon with light yellow shadings, a perfect gem. Foliage leathery, stems strong, a fine variety for cut flower.

MME. CAROLINE TESTOUT. Large, globular flowers of satiny rose, shaded lighter toward the outer edge of its enormous petals; fairly fragrant. Plant strong, and a persistent bloomer. The rose that made Portland, Oregon, famous.

MME. EDOUARD HERRIOTT. The famous Daily Mail Rose. Winner of the \$5,000 prize at the International Horticultural Exposition held in London, England. Buds coral red shade with yellow at the base. Open flowers of medium size, when fully expanded they take on a superb coral red color.

MRS. AARON WARD. Delightful little buds of golden buff, opening to fully double, attractively shaped flowers of tawny gold with an agreeable fragrance. The plant is dwarf, spreading, with very healthy holly-like foliage, and always in bloom.

PADRE. An exquisite new variety in a color that is distinct from any other. The bud is long and pointed, borne on a strong stem with dark foliage. The color is a beautiful shade of coppery orange crimson with yellow shadings at the base of the petals.

PAUL NEYRON. Dark, lilac-rose blooms of immense size, fair form, very double, and remarkably fragrant. Quite vigorous, strong, almost smooth canes and tough, leathery foliage; a free and constant bloomer. Very hardy.

RADIANCE. Brilliant rose-pink buds, opening to well-formed shining flowers with lighter tints on the reverse of the petals; globular in shape and very fragrant. The plant makes splendid growth, has wonderful blooming qualities. It has no serious faults and is by all comparisons the most popular American Rose.

RED RADIANCE. An even better rose in habit than its parent, Radiance, bearing big, globular flowers of deep rose-red on strong, individual canes which are freely produced all summer until frost. Foliage excellent.

ROSE MARIE. Amongst the various roses which we have had under trial there are but few more meritorious than this magnificent American novelty. The buds are long and pointed, the petals large and well-rounded, and the open bloom ideal as to form. One of the finest roses we know of for cut flower purposes. The color is a delightful shade of pure rose pink.

SOUVENIR DE CLAUDIUS PERNET. Both bud and bloom are clear sunflower-yellow, unstained by any other color, and are attractively formed. As the flower ages, the outside petals become light sulphur-yellow. This rose performs best in hot, dry, bright weather. Flowers often appear in clusters. It is best to cut them when in bud form. A vase full of these glorious yellow blooms is like a bouquet of captured sunshine.

SOUVENIR DE GEORGES PERNET. Produces massive blooms of deep carmine pink, often referred to as cochineal red but carmine pink we believe describes it better, yellow shadings at base of petals. Blooms when open measure 5 to 6 inches across.

SUNBURST. A beautiful yellow suffused with orange at the center, buds and developed flowers of good form, sweet scented.

ULRICH BRUNNER. Flowers bright cherry-red, large, full and exceptionally long stemmed, very hardy.

UNA WALLACE. This is without doubt one of the best of all pink roses and quite distinct from any other variety. A beautiful shade of soft cherry rose without any shading. It is a very strong grower and a free bloomer, has excellent foliage and perfect form. It is exceedingly fragrant and lasts well as a cut flower.

WILLIAM F. DREER. The flowers, which are similar in shape to Los Angeles, and like that variety, beautiful in all stages of development, are at their best in the half-expanded flower. These, in expanding, are of a soft, silvery shell-pink, the base of the petals of a rich golden-yellow, which, at certain stages of development, gives a golden suffusion of the entire flower.

WINNIE DAVIS. A beautiful free flowering variety not unlike Mrs. W. E. Egan. Outside of petals carmine-rose. Reverse shell-pink with outstanding veins. An easy rose to grow, should be in every garden. Stems long, foliage large and healthy.

Any of the Above 50c Each by Express, Collect; Postpaid 60c.

New Climbing Roses

The three varieties listed below are of exceptional merit. "Clara Bow," a novelty of last season, has more than proven its worth, while Chaplin's Pink Climber and Mme. Gregoire Staechelin are European introductions of unquestioned merit.

CHAPLIN'S PINK CLIMBER. Beyond question this novelty, possessed of every possible good quality and free from faults, is the most important acquisition of recent years to the list of climbing roses. A cross between Paul's Scarlet Climber and American Pillar, it inherits the parental virtue and combines these valuable points to the last degree of perfection. Its flowers are semi-double, fine in form, and clear, soft, but lively pink with golden stamens, each bloom true to type and lovely in the extreme. Their effectiveness is heightened by the fact of their being borne in impressive trusses of 8 to 12 blooms, gracefully poised, and lasting a long time. The plant is a vigorous grower, perfectly hardy, and always fresh and attractive in appearance, this due to abundant and healthy foliage. Produces blossoms in profusion. Certificate of Merit and Gold Medal, National Rose Society of England; Award of Merit, Royal Horticultural Society. \$1.00 each; \$1.10 postpaid.

MADAME GREGOIRE STAECHELIN. Of the Rose aristocracy, the parents being Frau Karl Druschki and Chateau de Clos Vougeot. This grand novelty inherited the best traits of both and is in a class by itself. Has perfect long-pointed buds, which are crimson as the sepals first divide. With the opening of the flowers the firm outer petals show splashes of carmine, with an iridescent pearl-pink inside, the whole effect of striking beauty. The blossoms are richly perfumed. Its growth is strong and rapid, 12 feet or more, the main stem shooting upright and the long bloom-spurs standing out 18 inches at right angles, laden with exquisite flowers, which come early and last over a long period. Foliage large and disease-resistant. \$1.00 each; \$1.10 postpaid.

Collection of One of Each of the Above Roses \$2.00; Postpaid \$2.25



CLARA BOW. This variety is a true climbing sport of Golden Emblem and is one of the most notable introductions of recent years. It is a true deep yellow, intensified by a coral flush extending upward from the base of the petals. The plant is exceptionally vigorous in growth and very free flowering. Price: 85c each; 95c postpaid.

Rare Climbing Roses

The sorts offered in this group enjoy an enviable popularity among rose lovers; while not all of recent introductions, they are always in great demand and usually scarce. Our ample stock this year is exceptionally fine and should be adequate for all reasonable demands.

CLIMBING BELLE OF PORTUGAL. A new variety exceeding in beauty anything heretofore attained. Very vigorous grower, giving immense crops of bloom. Color a beautiful pearl pink.

CLIMBING DUCHESS OF WELLINGTON. Intense saffron yellow, stained crimson. As the flower ages it becomes a deep saffron yellow. Blooms fairly full, buds long and pointed, very free flowering. Exceedingly fragrant.

CLIMBING HADLEY. The well-known rose now in a climbing form. Deep velvety-crimson, double, and buds are well-formed.

CLIMBING HOOSIER BEAUTY. A new rose, being the climbing form of the popular bush variety. Big, torch-like blooms of vivid red, opening from glowing slender buds; quite double, with wide-spreading butterfly petals surrounding an exquisite center.

CLIMBING LOS ANGELES. The ever popular bush Los Angeles in a climbing form with the same extreme beauty of its well-formed flowers, alike attractive in bud and bloom, shades of salmon-pink, apricot and orange almost impossible to describe.

CL. LOUISE CATHERINE BRESLAU. A lovely shrimp-pink shaded coppery-orange and chrome-yellow. Large, full flowers of distinct charm. A very vigorous grower.

CL. MADAME EDOUARD HERRIOT. Replica of the noted French prize-winning Rose of this name. Medium-sized semi-double flowers of a bright rosy-scarlet passing to prawn-red, with shadings of coral-red and yellow toward the base. Like a mass of living fire on a trellis.

CLIMBING RED RADIANCE. Has all the excellent qualities of the grand bedding Rose of which it is a sport. Bears its large, fragrant, bright cerise-red flowers profusely on long stems the season through. A vigorous climber with abundant foliage, dark-green, glossy and disease-resistant.

CLIMBING ROSE MARIE. Like its bedding parent this is a splendid Rose. Large, full, double flowers with strong fragrance and unusual lasting qualities, a deeper pink than those of the bush form, and borne on stems of remarkable length.

CLIMBING SOUV. DE CLAUDIUS PERNET. An exact counterpart of the bush "Souv. de Claudius Pernet." Flowers are the same shade of sunflower much enhanced by heavy leathery foliage which is practically disease proof.

CLIMBING SUNBURST. A true Sunburst of vigorous climbing habit. An entrancing Rose of exquisite color—brilliant orange—yellow in center, paling to buff. A fine climbing yellow.

Price: Any of the Above, Strong Two-Year-Old Plants 65c Each; 75c each postpaid.

Favorite Climbing Roses

A splendid collection containing all the most desirable types, from the large double flowering Hybrid-teas to the single and rambler varieties. Do not judge these roses by the *extremely low price charged*. This price is made possible by the unusually large number of roses handled all of which are grown by Germain's in their own fields, and in no way reflects the high quality offered. All roses sent out by Germain's are strictly first grade, strong two-year-old, field grown bushes and none better can be bought anywhere at any price.



50c Each by Express, Collect; Postpaid, 60c Each.

CLIMBING AMERICAN BEAUTY. A strong healthy vigorous grower, frequently making shoots from 10 to 12 feet long, and good sized flowers, color rich rosy crimson.

CLIMBING CECILE BRUNNER. One of the strongest growing Roses. Bright clear pink in color. A most popular climber.

DOROTHY PERKINS. Soft shell-pink, flowering profusely in large clusters, very fragrant and lasting, a grand Rose in every way, and one of the most popular varieties. Must be planted in full sun.

CLIMBING FRAU KARL DRUSCHKI OR WHITE AMERICAN BEAUTY. A new Rose destined to prove very popular. Flowers similar to the bush variety.

CLIMBING GENERAL McARTHUR. Bright crimson; notable for its fragrance. It blooms persistently, fine in autumn.

CLIMBING KAISERIN AUGUSTA VICTORIA. Plants bloom throughout the season and the lovely white flowers are magnificent.

CLIMBING LADY HILLINGDON. Identical with the bush variety. Long pointed buds of deep yellow, very free blooming.

CLIMBING MAMAN COCHET. No rose we grow is so popular as Maman Cochet. Here we have an exact counterpart of that popular variety, except that it is a vigorous climber.

CLIMBING MME. CAROLINE TESTOUT. Beautiful glowing pink, identical flower with its parent namesake; a rampant climber.

CLIMBING MRS. AARON WARD. In cool seasons, and on first opening, it is rich, golden fawn, but in bright sunlight it quickly changes to soft pink and white.

PAUL'S SCARLET CLIMBER. No other rose, in any class, can compare with this for brilliancy of color which is maintained until the petals fall. The flowers, a vivid scarlet, are of good size, semi-double, very freely produced in clusters of from 3 to 20 flowers each on much branched canes, the plants being literally covered from top to bottom with bloom. One of the most popular.

SILVER MOON. Different from all other roses, with beautiful semi-double flowers four and a half inches in diameter; pure white in color, petals of great substance, beautifully cupped.

TAUSENSCHÖEN. Entirely distinct. The flowers are of a most soft pink when first opening, changing to carmine.

Price: Any of the Above Favorite Varieties, 50c Each; 60 Each, Postpaid.

Germain's Dozen Climbing Roses

An assortment that will provide fine roses in profusion for cutting and at the same time excellent plants for the pergola or any other purpose for which a climbing rose is preferred.

- CL. AMERICAN BEAUTY.** Rich, rosy crimson.
- CL. BELLE OF PORTUGAL.** Immense pearl pink.
- CL. CECILE BRUNNER.** Bright salmon pink.
- CL. CLARA BOW.** Golden yellow, stained red.
- CL. HADLEY.** Deep, velvety red.
- CL. HOOSIER BEAUTY.** Rich, dark crimson.
- CL. LADY HILLINGDON.** Deep saffron yellow.
- CL. LOS ANGELES.** Flame pink with yellow.
- CL. MRS. AARON WARD.** Indian yellow or golden buff.
- CL. PAUL'S SCARLET.** Glowing, vivid scarlet.
- CL. RED RADIANCE.** Bright rosy red.
- CL. ROSE MARIE.** Beautiful rose pink.

One strong plant each of the above Dozen Climbers for \$4.95 postpaid.

Germain's Popular Price Dozen Everblooming Hybrid-Tea Roses

This collection might well be termed the dozen "we can't do without." Indispensable in every garden. Everblooming, hardy, and all popular favorites. Old and new.

- DUCHESS OF WELLINGTON.** Saffron yellow.
- FRAU KARL DRUSCHKI.** Immense snow white blooms.
- GOLDEN EMBLEM.** Deep yellow, streaked red.
- HADLEY.** Deep, velvety red.
- HOOSIER BEAUTY.** Dark rich crimson.
- LOS ANGELES.** Flame pink with yellow.
- PADRE.** Copper scarlet with yellow.
- RADIANCE.** Rose pink and deep flesh.
- RED RADIANCE.** Bright rosy red.
- ROSE MARIE.** Beautiful rose pink.
- SOUV. DE CLAUDIUS PERNET.** Clear sunflower yellow.
- SUNBURST.** Yellow, suffused orange.

One strong plant each of the above Popular Price Dozen, all bush roses, for \$4.25 postpaid anywhere in U. S. A.

Germain's Double-Budded Tree-Shaped Roses

Extra Heavy Heads Strong 3 ft. Stems
Finest Selection of Varieties Ever Offered

To meet the ever increasing demand for our superior quality, California grown tree-shaped roses, we have grown for this season a large stock of unusually fine specimen trees comprising more than forty varieties among those best adapted for culture in tree form. Each specimen is heavily branched and double-budded on a strong, straight stem 3 ft. in height. This is the finest stock we have ever been able to offer at the lowest price we have ever made.

The vogue of tree roses, started in California a few years ago, is now quite general throughout the United States and tree-shaped roses figure very prominently in the plan of modern gardens everywhere. Your garden, too, may boast a few of these modern, stylish tree Roses. This offer at our new low price makes them easily available to all.

\$1.75 Each; \$17.50 Dozen, Express Collect

- ANGELE PERNET.** Brownish orange shaded apricot.
CONSTANCE. Deep orange yellow streaked with crimson.
DAME EDITH HELEN. Soft rose pink, very fragrant.
DUCHESS OF YORK. Golden yellow shaded tangerine.
ETOILE DE HOLLAND. Clear deep red without shadings.
FEU JOSEPH LOOYMANS. Tangerine yellow with apricot.
GENERAL McARTHUR. Bright rosy crimson, free-flowering.
GOLDEN EMBLEM. Deep yellow splashed with crimson.
HADLEY. Rich velvety red. Exceedingly fragrant.
HOOSIER BEAUTY. Dark velvety crimson, sweetly scented.
KAISERIN A. VICTORIA. Creamy white, open flowers pure white.
LADY MARGARET STEWART. Sunflower yellow stained orange.
LORD CHARLEMONT. Deep rich crimson, very fragrant.
LOS ANGELES. Flame pink shaded apricot, long pointed buds.
MARGARET McGREDY. Turkish red with carmine.
MISS ROWENA THOM. Oriental rose shading to bronze.
MME. EDOUARD HERRIOT. Coral red with yellow at base.
PADRE. Coppery scarlet with yellow shadings.
RADIANCE. Rose pink and deep flesh, very free-flowering.
RED RADIANCE. Bright rosy red, large buds.
ROSE MARIE. Rose pink, long and pointed bud.
SOUV. DE CLAUDIUS PERNET Clear sunflower yellow.
SOUV. DE H. A. VERSCHUREN. Orange yellow.
SUNBURST. Yellow, suffused orange toward center.
THE QUEEN ALEXANDRIA. Vermillion and old gold.
WILHELM KORDES. Golden salmon with copper.
WILLIAM F. DREER. Salmon yellow and silvery pink.

One Each of the Above 27 Varieties for \$35 by Express Collect.

Tree Roses

IN TWO COLOR COMBINATIONS

Attractive novelty, the two colors blooming on one tree

Claudius Pernet..yellow	and	Georges Pernet	pink
Hadley	and	Kaiserin Auguste Victoria..	white
Los Angeles	and	Wm. F. Dreer	yellow
Mrs. E. P. Thom..yellow	and	Etoile de Holland.....	red
Hoosier Beauty.....	and	Talisman	orange red
Innocence	and	Crimson Queen	red
Crimson Queen.....	and	Lulu	apricot

Any of the Above \$3.00 Each Express Collect.

One Each of the Above \$17.50.



SPECIAL NOTICE

Our Tree Roses are double budded on strong stems. They make a vigorous growth and bloom freely. They require the same care as bush roses. Sucker growth appearing on the stem or near the ground should be removed.

HOW TO SHIP

The large size of our Tree Roses makes shipment by parcel post impractical in dormant state. They are forwarded by express collect which costs little more and is much more satisfactory. Weight when packed; one plant about 10 lbs., 4 plants about 25 lbs.

NEW TREE ROSES

These Superb new varieties available now in tree form. The sorts mentioned below have created a sensation wherever roses are grown and will make your garden a mecca for rose lovers in your locality.

- AUTUMN.** A new introduction that is as yet not available in the bush form. We have, however, double-budded a few tree form which we have ready for shipment. The bud is ovate in shape, burnt-orange in color; the open, double flower is a beautiful burnt-orange on the outside while the inside of the petals is buff and gold, streaked with red. \$4.00 each.
- DUCHESS OF ATHOLL.** Vivid orange flushed with old rose. \$2.50 each.
- E. G. HILL.** Massive blooms of deep maroon, velvety on inside and glistening on outside. \$2.50 each.
- EDITH NELLIE PERKINS.** Old gold and orange outside with salmon-pink inside. \$2.50.
- MRS. ERSKINE PEMBROKE THOM.** Generally conceded to be the best yellow to-date. Rich lemon-yellow. \$2.50 each.
- MRS. G. A. VAN ROSSEM.** A startling new rose with vivid orange and apricot buds with the open flower brownish yellow strongly shaded with copper. \$3.00 each.
- MRS. SAM McGREDY.** Large and double with scarlet-orange blooms, heavily flushed with Lincoln red. \$3.00 each.
- PRESIDENT HERBERT HOOVER.** A color that has heretofore been thought impossible to produce in a rose. Blends and shadings of cerise, pink, yellow and orange. \$2.50 each.
- TALISMAN.** One of the most famous roses of recent years. It blends in harmonious contrast many shades ranging from coppery scarlet to yellow gold. \$2.50 each.

One Each of the Above for \$20.00 by Express Collect.

For Further Description of the Above Roses See Page 85.

Germain's Choice Iris

In no branch of the plant world has there been the remarkable development that is true of the Iris kingdom. The lowly "Flag" of the past has been replaced by a type of flower that for beauty of form, color, grace, has with a large measure of truth been very favorably compared with the Orchid and the true Iris lover will not concede anything to the Orchid at that.

The color range far surpasses any other flower starting with the various blues, pinks, reds, purples, yellows, whites and the most glorious combinations of these shades.

On this page are mentioned the newer introductions and we unhesitatingly state that nothing in the Iris world will compare with them. Developments such as Los Angeles, Bruno with its bicolor effect of bronze and purple, El Capitan, Frieda Mohr by most people considered the finest Iris grown, Louis Bel, William Mohr, Pluie de Or, a flaming yellow and many others. A careful study of this and the following pages will well repay you.

ALLIES. S. bronzy Van Dyke brown, F. madder brown reticulated bronze. Style branches tipped bronze, bright gold beard low growing and free blooming. Often flowers again in the fall. Cert. Merit, S. N. H. F. \$2.50.

BRUNO. An iris of exceptional size and quality. A seedling on the order of Ambassador. S. bronze, tinted and lightened with lavender shading to yellow at base. F. deep rich purple of unusual size and quality, having velvety texture. Fragrant 33-in. \$2.00.

DOLLY MADISON. The pale pinkish mauve standards, shading yellow at the base are very broad arching and cupped. The broad flaring falls are lilac with the haft tinged gold. Intense red-orange beard. This iris is very distinct as to form and carriage. Growth vigorous. Honorable Mention, A.I.S. 30-in. \$5.00.

EL CAPITAN. A manganese-violet bicolor of heavy substance and huge size. These majestic flowers with flaring falls have the added advantage of a very extended season. Free blooming, tall and vigorous. \$1.50.

ENDYMION. A lovely warm buff blend with orange beard. Fragrant. \$1.50; 3 for \$3.00.

FORTUNA. The clear amber yellow standards $2\frac{1}{2}$ inches across, and the somewhat narrower wax yellow falls, lined red brown, form a broad rounded flower of Alcazar or Esplendido shape, something we have never seen before in this color scheme. 29-in. \$1.50; 3 for \$3.00.

FRIEDA MOHR. The flowers measure $6\frac{1}{2}$ inches from the top of the standards to the tip of the falls and 6 inches horizontally. The plants average 50 inches in height with the clean straight foliage in proportion, making it equally satisfactory as a specimen plant or for massing. Blooming time from midseason till very late. The flower substance is heavy, the branching rather high but well spaced, the growth vigorous and the increase very rapid. \$2.00 each; 3 for \$4.00.

GRACE STURTEVANT. S. dark red bronze with rich velvety falls that are still darker, being almost black at the tip. Deep orange beard. Its dark richness makes it one of the most outstanding iris in the garden. Particularly valuable to breeders. \$10.00.

INDIAN CHIEF. This is another fine red iris. S. beautiful violet red, F. velvety dark red. Fine form, good placement. Plant strong and vigorous. Early. \$10.00.

KING TUT. A very bright and outstanding note of color is given by this combination of yellowish brown standards, Hes-sian brown falls, golden haft and beard. \$5.00.

LOS ANGELES. Great white flowers of fine shape and substance, the standards faintly edged pale blue, the falls beautifully reticulated red brown at the base, the blue style arms adding a note of clear color in the center. Tall and widely branched. This noble flower shows the progress that breeding has made in the plicata group. Price \$5.00.

LOUIS BEL. S. very dark satiny pansy violet. F. splendid deep blackish violet purple. \$1.50.

MODOC. A very outstanding iris, rich in color and heavy in substance. S. cotinga purple, F. dark velvety blackish purple. Heavy primuline yellow beard. \$15.00.

MRS. VALERIE WEST. The flowers are immense with broad massive standards, bronze shot with lavender. Falls of great size and substance, very broad and of deep velvety maroon purple.

The stems are well branched and the flowers which are abundant are very lasting. \$12.50.

OPHELIA. A charming blend of pastel tints—the brownish biscuit standards are airily ruffled; the falls are finely veined bronze-yellow and rose and are edged gold. \$2.50.

PADRE. This is a flower of distinction, and a clump in the garden is wholly satisfying. The blending of yellow and lavender in the standards, the flush of blue on the fine rosy purple falls, and the glow from the amber beard and style arms give this large flower of noble form a quality which ranks it high in the Mohr-Mitchell seedlings. 42-in. Remarkable for long period of bloom. Price \$7.50.

PLUIE D'OR. A tall, pure rich yellow with glistening golden buds and striking yellow beard. The widely and symmetrically branched stems carry an abundance of canary-colored flowers. Cert. Merit., S. N. H. F. and the W. R. Dykes medal in 1928, for the finest new iris of the year. 36-in. \$15.00.

PURISSIMA. It is going to be very hard to improve on this Argentina X Conquistador seedling for a pure white of great size, fine form and heavy substance, this last a most important factor in white irises. These qualities, with its vigor and its tall branched stems account for the rating of 96 given it by a jury of A. I. S. members. \$5.00.

RAYO DE SOL. The Spanish word for sunbeam was given this seedling because of its bright yellow color. It is a sister of Mirasol, but has proved much more vigorous, and its flowers, 4 inches high and $3\frac{1}{2}$ broad, are larger. The color is lemon chrome (Ridgeway), a bright clear yellow, but the flaring falls have a few white lines at the haft. 36-in. \$7.50.

REDWING. A big bronzy red very like Allies in color, but much larger and taller. Very much admired in our garden. \$5.00.

RUBEO. A magnificent plant with huge flowers beautifully poised on strong stems 48 inches high. It begins to branch half way up the stem, sending out good wide branches. The standards are deep glistening rose, the broad thick textured falls are of deep maroon with no touch of white veining to detract from the velvety darkness. \$20.00.

SAN DIEGO. This derivative of Gaudichau and El Capitan is identical in color with the former but by actual comparison is a great improvement in size, height, form and finish. The flowers are 6 inches high and 7 inches wide, the broad falls being 3 inches wide. Stems 46 inches. \$5.00.

SAN LUIS REY. Imagine an Opera with better shaped flowers nearly twice as large on beautifully branched stems half as tall again, and you have San Luis Rey. The flowers are of beautifully rounded form and rich heavy substance, set off by a golden beard and a yellow center. \$3.00.

SHASTA. This new white of different parentage than Purissima is also entirely distinct in style and effect and well worthy of being named for California's great white-capped mountain. \$2.50.

SIR MICHAEL. Considered by many the finest blue bicolor, this handsome tall upstanding iris makes one of the most colorful masses in the garden. The bluish lavender standards rise airily above the rich red purple falls, which are set off by a beautiful red gold beard. \$15.00.

SUNBEAM. A rich deep canary yellow self, standards and falls being identical in tone and without markings. The form is very round and the flowers abundant. Very early. \$3.50.

WILLIAM MOHR. A wonderful hybrid from Parisiana X gatesii. The ground color is pale lilac, standards flushed darker, the whole flower beautifully veined manganese violet. Substance and shape of the very best, a very large flower; actual measurements showing standards $3\frac{1}{4}$ by $2\frac{3}{4}$ inches and falls 3 to 2 inches. Stems strong and rigid, 24-in., four flowers on each. Award of Merit, R. H. S. \$2.50.

Fifteen Novelty Iris

These are the introductions of a season or two ago. All varieties that have proven their worth and are part of the standard varieties of the years to come. We particularly recommend the varieties Bravura, Don Quixote, Mme. Durrand, and San Gabriel as outstanding in this class. But they're all good.

ALAMEDA. A large white plicata with both standards and falls heavily suffused blue violet. A profuse bloomer and a rapid multiplier. \$1.00.

APHRODITE. A pure bright violet pink self of good form and substance. Tall fragrant and free blooming. \$1.00.

ASIA. The broad standards are pale silvery lavender with golden yellow base. The falls are rosy lavender, lighter at the margins. The beard is bright golden yellow. 75c.

BRAVURA. Large well-placed flowers of deep rosy lilac, well branched stems. Their substance is excellent and the plant is vigorous. 40-inch. 75c.

CONCHITA. In effect a bicolor blend, the broad S. pale bronze and the flaring F. lined red on the same ground. The flowers add a somewhat different color note to the border. \$1.00.

DILKUSH. A beautiful hybrid of Iberica X Pallida. Fine large rounded flowers. S. heavily veined, F. deep reddish purple with black throat blotch derived from the oncoclycus parent. 75c.

DON QUIXOTE. A variety that produces immense flowers. It is a strong grower and produces flower stems that average 42-in. tall. The standards are deep lavender almost overlaid yellow, the falls are deep violet with a heavy brown venation on a yellow ground style arms buff, and beard orange. \$1.00.

HIDALGO. A very large lavender self of unusually broad shape, tall and upstanding. Shows as a beautiful orchid pink under electric light. 48-in. 60c.

LORD WOLSELEY. Beardless. A blue purple spuria. 75c.

MILDRED PRESBY. S. white, flushed pale rosy lavender. F. dark rich velvety pansy violet with a narrow edge of white. 75c.

MME. DURRAND. An iris that is in a class by itself. Color iridescent buff, flushed with lilac and amber. The flowers have a glistening silky texture. 48-inch. \$1.00.

MORNING SPLENDOR. Deep rich large red violet. Fragrant. 36-in. 75c.

RIALGAR. A fine richly colored variegata. S. clear buttercup yellow; F. buttercup yellow heavily striped bronze. 24-in. \$1.00.

SAN GABRIEL. A very large pinkish lavender of high excellence adding to its other merits the virtue of being early and long blooming. Branching, and very graceful. 48-inch. Fragrant. 75c.

STIPPLES. A most unusual plicata. The flowers are neat, clean cut, white with definite clear bluish-violet stipplings on the falls. The standards are mostly bluish-violet but with pronounced stipplings. The falls are markedly flaring. 30 inches. \$1.00.

One each of the above 15 varieties for \$8.85 postpaid.

BARGAIN IRIS COLLECTION

An inexpensive list of fine varieties that includes the splendid variety Ambassadeur. A collection that is worthwhile and includes a wide range of color each distinctly different:

Ambassadeur	50c	Isolene	25c
Caterina	20c	Mother of Pearl.....	25c
Corrida	20c	Mrs. Neubrunner.....	25c
Crimson King.....	20c	Pallida Dalmatica.....	20c
Dora Langdon	25c	Quaker Lady	20c
Eldorado	20c	Rhein Nixe.....	25c

The complete collection (value \$2.95) for \$1.95 postpaid.

Twenty-Five Select Iris

The Following Varieties are All 50c Each

ALVARADO. A large flower of fine form. S. bluish violet; F. petunia violet. Ivory white style arms. Vigorous. 40-inch.
AMBASSADEUR. A wonderful iris. Tall and branching. S. bronzy violet; F. dark velvety maroon, orange beard. 36-inch.
AVALON. An exceptionally large satiny pinkish lavender of fine shape and substance. Very vigorous, well branched and tall. Blooms over a long period. 36-inch.

ANOSIA. A tall bicolor with brown standards, falls golden red. Free flowering. A good garden Iris.

BEAU IDEAL. A unique plicata. White with an almost solid half-inch border of petunia violet on both S. and F.

CLARIDAD. A beautiful clear lavender blue of great purity, horizontal falls, good substance and pleasing garden effect.

CORONADO. S. lavender, F. red purple paling to lavender margins; beard and style arms golden. 36-in. Early to late season.

CRIMSON GLOW. Uniform shade of brilliant crimson rose. S. frilled, incurved; F. exceptionally broad. Very free flowering.

GEORGE YELD. S. apricot yellow shaded rose; F. brilliant wine red edged buff. 36-inch.

JACINTO. S. light lobelia violet; F. violet. Tall well branched, long blooming. 44-inch.

LEVERRIER. Large early fragrant. General effect light rose red. Long blooming. Growth vigorous. 48-inch.

MESOPOTAMICA. An exceptionally large flower of lavender violet on tall stems which reach a height of 4 feet.

MONNIERI. (Beardless)—A very handsome rich golden yellow flower of striking beauty, quite hardy. Height 4 ft.

OPERA. S. coppery brown shot with purple; F. wine red, base of petals bronzy maroon penciled with gold. 24-inch.

PERRY'S BLUE. (Sibirica)—Beautiful flowers of bright lavender blue with white markings on the falls. The falls are almost horizontal. Particularly adapted to planting in the pool border and exquisite for cutting. Award Merit, R. H. S.

ROSADO. A beautiful clear soft pink, tall and strong growing. Lovely in our garden near Rita, Santa Barbara and San Gabriel.

ROSE MADDER. Brilliant rose madder, the standards light, the falls dark and velvety. A very lovely and unusual flower. 40-in.

SANTA BARBARA. This is the finest of the pure lavender blues. The size, substance, spreading horizontal fall, well branched stalks and the vigor of growth, entitle this beautiful iris to be rated with the highest. 40-in.

SUNSET. (Ochracea)—The standards of this lovely iris are like cloth of gold, falls are same suffused blue violet. Fragrant and a strong grower. 30-inch.

SEMINOLE. A brilliant velvety light red purple with a bright orange beard. 30-inch.

TENEBRAE. S. purple, tinged maroon-purple in the center. F. rich velvety black purple. Fragrant. 36-inch.

TROOST. Deep rose pink with darker venations on the falls. Early. 30-inch.

TRUE DELIGHT. A very lovely white plicata with rose colored venation and style arms. Free flowering. 36-inch.

VALENCIA. A beautiful bright orange buff. The flowers are of good form and excellent substance. 30-inch.

YOLANDE. F. velvety pansy blue. Very large beautifully formed flowers of heavy substance. Excellent for mass effect.

Any of the above varieties 50c each; \$4.00 per dozen postpaid.
 One of each of the 25 varieties for \$8.25 postpaid.

Popular Garden Iris

Included in the following list are many varieties that are of the most recent introductions. Clear colors of yellows, blues, reds, whites, together with blends of various colors, bicolors, two or more toned sorts. In all an assortment that will provide the garden with a blaze of color.

"A" YELLOW. A low growing early yellow that is deeper in color than the other early yellows. Fine for a mass of rich yellow in the garden.

AFTERGLOW. Pinkish lavender grey shading to buff style arms and rich yellow halt. 36-inch.

ALCAZAR. S. mauve; F. dark purple. The bronze and yellow at its center add beauty to this vigorous well branched variety. 36-inch.

ARCHEVEQUE. S. deep violet; F. raisin purple. A beautiful color combination. Sometimes blooms in late fall as well as in spring.

ARNOLS. (See color page).

AUTOCRAT. S. bright clear blue; F. rich dark velvety blue shading lighter at the edges. Very attractive. 30-inch.

B. Y. MORRISON. S. pale lavender violet; F. velvety raisin purple with broad lavender border. Very striking. 30-inch.

COL. CANDELOT. Flowers of unusual red tone. S. bronze overlaid with a reddish lavender; F. dark rich velvety crimson. 36-in.

DEJAZET. A beautiful color. S. bronzy rose; F. sepia brown.

DORA LONGDON. S. honey yellow; F. pale rose purple, conspicuous orange beard. 24-in.

DREAM. (See color page).

"E." YELLOW. Deep buttercup yellow. Good substance. Low.

ED. MICHEL. A tall ruffled flower of red purple, the tallest and best in the color class. Very showy. 36-inch.

FETIDISSIMA. (Beardless)—This variety is grown for the handsome orange colored seed that is produced in pods which follow the blue and lilac flower. The pods are very attractive on the plant or in vases. The plant does best in partial shade. 30-inch.

FRO. S. mustard yellow; F. oxblood red, vigorous and free flowering, one of the best variegatas. 24-inch.

GEORGIA. Soft Cattleya rose, excellent substance. Early. Beautiful "pink" in mass effect. 30-inch.

GOLD CREST. Bright pure violet blue with conspicuous yellow beard. Not large but of lovely color.

HIAWATHA. S. pale rose lavender; F. purple. Late flowering. Fine for mass planting. 20-inch.

IRIS KING. This variety is also listed as King of Iris which indeed it is; S. golden yellow; F. velvety garnet, edges yellow.

ISOLENE. S. silvery lilac flushed yellow; F. purplish old rose. A large flower of unusual color. 36-inch.

JUNIATA. A fine tall violet blue, darker than Pallida Dalmatica. One of the tallest of the bearded irises. 42-inch.

LADY FOSTER. A flower of large size, smooth texture and excellent substance. Fragrant and free flowering. One of the noblest lavender blues. 36-inch.

LENT A. WILLIAMSON. S. Lavender violet; F. velvety pansy violet. Large flower of perfect form. (See color page).

LORELEY. S. honey yellow; F. ultramarine blue with cream border. Very showy. 24-inch.

LYCAENA. The white standards and rich purple falls with paler margin make an attractive contrast.

MEDRANO. A remarkable shade of bronzy scarlet overlaid with blue and flaked with lavender and buff. 24-inch.

MIDWEST. An attractive ruffled variety of fine form. The entire flower is flushed and peppered bright rose on a white background.

MIRANDA. An early violet blue with orange beard; fine for mass effects. 36-inch.

MITHRAS. S. yellow, F. violet carmine with narrow edge. Fine for border. 24-inch.

MME. CHERI. One of the finest blended tones, being a violet pink with a yellow undertone. At a distance the effect is rich pink.

MOTHER OF PEARL. As the name indicates, the colors of this beautiful iris are the iridescent shades of mother of pearl.

MOUNT PENN. S. lavender rose; F. crimson lilac. General effect deep rose pink, golden beard. 24-in.

MRS. NEUBRUNNER. Standards and falls rich clear golden yellow. Considered among the best of all yellows.

NANCY ORNE. A large rose purple flower giving the effect of a lovely fawn pink. Growth vigorous. (See color page).

NAVAJO. S. honey yellow; F. deep maroon veined cream. 20-in.

NIMBUS. An extra large flower. S. light lobelia violet with darker edges. F. velvety black purple. Fragrant. 30-in.

OCHROLEUCA. (Beardless)—A tall growing variety which is one of the most glorious of irises. The blooms are creamy white with a golden yellow center.

ORIFLAMME. An extra large bloom; S. rosy lavender; F. hortense violet. 30-inch.

PRINCE LOHENGRIN. A light mauve pink that is pinker than Lohengrin, grows a foot taller than its name parent. 40-inch.

PROSPERO. A gorgeous flower of large size and fine form on a tall erect stem, free flowering and vigorous. S. pale lavender flushed yellow at the base. F. red purple with light shading at the margin.

RHEIN NIXE. S. white, F. pansy violet bordered bluish white, an odd and beautiful combination. (See color page).

RITA. A beautiful clear blue purple of good size, wonderful stems, branching almost from the ground. Floriferous, vigorous and early. 36-in.

SHEKINAH. Pale lemon yellow deepening towards the center. Fine form and growth.

SILVERADO. S. silvered lavender, F. plumbago blue, orange beard. An unusual dull blue tone with orange contrast at center.

SOLANA. S. lemon chrome, F. bordeaux. Brilliant color. Late.

STYLOSA. (Beardless) (Winter Blooming)—Plants are low growing with long grass-like foliage. Flowers deep sky blue with orange tongue, very fragrant.

VALERY MAYET. S. coppery rose; F. deep bronzy red. Not large but of unusual coloring. 24-inch.

VIRGINIA MOORE. S. bright yellow; F. same color. A fine yellow for borders. 24-inch. (See color page).

ZWANENBURG. An unusual flower, large, very early. S. deep cream blotched greenish buff; F. chamois to olive brown.

We Carry a Complete
Line of
**ORNAMENTAL
SHRUBS
TREES
and
VINES**

These are embodied in
a separate bulletin
which will be mailed
on request.

Any of the Above Varieties 25c Each; \$2.00 Dozen Postpaid.

Twenty-Three Fine Varieties

Iris development has been so rapid and remarkable that each year we are adding dozens of new varieties that while in some cases varieties are being replaced, in most cases the newer sorts are so distinct in color, form, and growth that they can be added to the older varieties without distracting from their worth. Prices are being lowered materially also. As an instance the variety Yellow Moon in our last list was priced at 75c—this year at 35c.

AMADOR. A beautiful soft pink bicolor of early blooming habits. The flowers are large, of excellent substance and are borne on widely branching stalks. Strong grower.

ARGYNNIS. S. clear bright yellow; F. bright chestnut red with a narrow yellow edge. Free flowering, very late.

BALBOA. A large tall bright red violet bicolor. Fine distinct flowers of good substance. This Iris was one of the parents of Blue Velvet. First Class Cert. M. H. S.

BELLORIO. A slender graceful flower of grayed lavender. Very early.

CONQUISTADOR. A tall vigorous grower with fine foliage. The size and height makes it an outstanding feature in any garden. Flowers are very large and a beautiful shade of deep mauve. 40 inch. (See color page).

CRUSADER. Fine large flowers of clearest blue violet. Early, tall, of excellent texture, free flowering.

ESPLENDIDO. A fine big red purple bicolor with such beautifully branched stems that its garden effect is striking. Hardy everywhere. 40-inch.

GRAPTA. S. yellowish brown; F. are a deeper shade. A free flowering and distinct sort. 24-inch.

IBPALL. As the name indicates, this beautiful hybrid is derived from Iberica and Pallida and the rounded shape and veining of these deep red violet flowers show the oncocylus parent.

J. J. DEAN. A beautiful variety that has large flowers and is a tall grower. The coloring is very vivid. S. light violet; F. velvety royal purple. 36-inch.

KNYSNA. S. clear yellow; F. velvety red brown. An unusually pretty flower. 30-inch. (See color page).

MAGNIFICA. A huge flower. S. light violet blue; F. red violet. A grand variety and a vigorous grower. Early. 40-inch.

MARION MOHR. A beautiful finished flower of soft glistening lavender, quite distinct and very desirable for dry plantings. 36 inches.

MME. GAUDICHAU. S. Bradley's violet; F. brilliant blackish purple. An unusually dark velvety bicolor of fine shape and substance. Growth rampant. 36-inch.

NIEBELUNGEN. S. fawn, F. violet purple with fawn margin, well branched, rampant growth. 30-in.

PARISIANA. S. netted and dotted lilac on cream ground; F. cream white edged lilac purple. 30-inch.

PHYLLIS BLISS. Lavender mauve with a touch of rosy lavender. Large flowers, fine form, free flowering and vigorous. 36-in.

RAMELDO. Brownish petunia violet. Very unusual. 30-in.

RAMONA. A blend of petunia violet and cinnamon brown, lightened up by an orange beard 24-in.

SOLEDAD. This is in our opinion one of the finest yellow iris. It is intensely fragrant and the first iris to flower in the spring. S. honey yellow; F. amber yellow. Awarded certificate of merit A. I. S. 30-inch.

TOM TIT. Mulberry purple. "A gay little blossom for the front of the border."

WALHALLA. A fine large flower with light blue standards and rich velvety violet purple falls, edged light blue. A prodigious bloomer and excellent landscape variety. 24-inch.

YELLOW MOON. An amber yellow of fine form and substance on stout erect stems, very free flowering. 36-inch.

Any of the above varieties at 35c each; \$3.00 dozen postpaid.
One each of the 23 varieties for \$5.25 postpaid.

Fourteen Favorite Iris

The following assortment includes a selection of popular varieties at low prices. All are fine flowers and the color range includes the blues, reds, yellows and whites.

BLUE JAY. Neither a purple or a blue, but a very striking shade of bluish purple. 30-inch.

CATERINA. A superb variety and a giant in height and size of flowers. Grows 40 in. tall. Color pale lavender blue.

CORRIDA. A tall variety that is easy to grow and free flowering. Color can be best described as a deep sky blue. 36-inch.

CRIMSON KING. A variety that is very popular—color a vivid shade of crimson purple. Blooms several times each year. 24-in.

ELDORADO. S. yellowish bronze shaded with heliotrope, falls bronze overlaid with blue.

JEANNE D'ARC. An extremely dainty flower which blooms over a long period. Color white with light lavender frilled edges. 30-inch.

MME. CHEREAU. Standards and falls pure white daintily edged with light blue. An attractive color and fine for mass plantings.

MONSIGNOR. A distinct blush violet overlaid with brownish purple. Flowers large. 24-inch.

NUEE D'ORAGE. (Storm Cloud)—S. grayish lavender, F. light lavender, overlaid bronze, an odd color effect. 30-inch.

PALLIDA DALMATICA. S. clear lavender blue, F. deep lavender. Very large. 40-inch.

PRINCESS VICTORIA LOUISE. S. sulphur yellow, F. rich plum. Edged primrose. Very showy. 20-inch.

PROSPER LAUGIER. S. light bronze with a pink flush, F. velvety crimson with a warm yellow center. 24-inch.

QUAKER LADY. S. smoky lavender, F. same color overlaid orange buff, light yellow beard. An exquisite blend, vigorous. 30-inch.

SHERWIN WRIGHT. Flowers an even shade of bright golden yellow, good form and free flowering.

Any of the above varieties are 20c each; \$1.75 dozen postpaid.

A collection of one each at the sale price of \$1.95 postpaid.

Japanese Iris (IRIS KAEMPFERII)

The latest improved varieties of this lovely flower obtained from Japan are marvelous in size and beauty. The flowers often reach a diameter of ten inches and the colors are most delicately blended and attractive, the petals being usually shaded, marbled or veined with contrasting tints.

Japanese Iris are very easily grown and form a striking permanent feature, either grouped in single beds, in the perennial border or at the edge of a pool or lily pond. Before planting enrich the soil and spade to a depth of 12 inches. They require a liberal amount of water, especially during the blooming season. It has been found effective and convenient to raise a four-inch ridge of soil around the beds, which may then be flooded whenever needed.

ISO-NO-NAMI. A suffusion of rose and blue over white deepening towards the gold flushed center to rosy lilac.

KOKO-NO-IRO. Royal purple with yellow center, radiating into lines.

MAHOGANY. The best of all Japanese Iris. Dark maroon purple or mahogany red, late flowering.

MONIJI-NO-TAKI. Rosy crimson feather in white, double.

PURPLE AND GOLD. Large double purple flowers, gold in center often ten inches across.

UCHIU. Coerulean blue with golden center and white halo, standards white tipped blue.

Any of the above in strong field divisions 25c each;
\$2.50 per dozen.

Morea

GRANDIFLORA. Handsome bulbous plants from the Cape of Good Hope. They are allied to the Iris and require the same treatment. The flowers resemble the Iris somewhat, but the standards are absent. In color they are white, shading to a light golden yellow in the center and with occasional touches of purple. Fine for planting around pools. 35c each; \$3.50 dozen.

Chrysanthemums . . . The Autumn Queen

The Chrysanthemum covers such a wide range of colors, types and sizes, produces such a wealth of bloom that it is easily the "Queen of Autumn." From the large Japanese type, through the Anemone-flowered, Feathery class, and Pompons one finds almost any desirable form or color for the fall garden. All our plants are propagated from strong soft wood cuttings and established in 2½-in. pots. We do not advise planting too early as they are inclined to become hard and woody long before flowering season begins. If they are to be pinched for large flowers the crop will often prove a failure as a result of too early planting.

Japanese Chrysanthemums

In this classification are found the very large flowered varieties, those grown commercially and in the garden for size. In order to obtain the maximum size disbudding must be practiced otherwise they grow into large flowers spray-like in form.

YELLOWS

CITRONELLE. Citron yellow incurve with high center. Blooms late October.

COLONEL APPLETON. Enormous golden yellow incurve. Late.

DOLLY DIMPLE. Light yellow reflex. Easy grower. Popular.

FRIENDLY RIVAL. Very bright yellow. Blooms Thanksgiving.

GOLD LODGE. Deep yellow extra large. Very early.

HONEY DEW. Satiny yellow incurve. Early November.

LOYALTY. Bright yellow. Thanksgiving bloomer.

MARIGOLD. An older sort, but still unsurpassed for size and yellow color. Early October.

MRS. R. M. CALKINS. Intense bright yellow, globular shape. Late November.

TIGER. Fine glistening yellow. Early November.

BRONZE

DETROIT NEWS. Fine bronze, waxy, incurve then reflexes late October.

EDGAR SANDERS. Deep bronze with lighter reverse. Latest bronze bloomer.

GLENVIEW BRONZE. Deep reddish bronze. November.

GOLDEN BRONZE. Golden bronze, excellent shade. Late October.

INDIANOLA. Early large flowered bronze with old gold.

NAGIRROC. Deep glowing orange bronze.

TEKONSHA. Late deep bronze. Thanksgiving.

RED

BLACK HAWK. Deepest red. Very late reflex.

HARVARD. Dark crimson reflex. Late November.

INTENSITY. Bright crimson reflex. Bronze reverse. Late.

J. W. POOK. Beautiful terra-cotta incurve, bronze reverse.

MURILLO. Attractive bright red. Latest.

PINK

HELEN FRICK. Late deep pink incurve. A noble flower.

MEGAN. Clear bright pink incurve. Early November.

PINK TURNER. Popular pink easily grown. October 15th.

ROSE DAY. Very large and fine pink. Medium.

ROSE GLORY. Bright lavender-pink incurve. Late October.

ROSE PERFECTION. Good incurve pink. Chieftain seedling. Better color. November.

SMITH'S ENCHANTRESS. Bright rose pink. Best early pink.

WHITE

BETSY ROSS. Pure white of perfect incurve form. Early November.

CHARLES RAZER. Pure white incurve. Very good.

CHATTANOOGA. Pure white of good form. Early December.

MISTLETOE. Blush white of good size. Very late.

MISS CHICAGO. Fine white with good stem and foliage. November.

QUAKER MAID. Glistening white incurve. Early October.

SNOW WHITE. Pure white incurve. November.

WHITE CHIEF. Fine white incurve of good form. Late October.

Price of Any of the Above Large Flowering Japanese Types
20c Each; \$2.00 Dozen; \$15.00 per 100.



CHRYSANTHEMUM MARIGOLD

Anemone-Flowered--Pompons--Buttons

In these classes are found the smaller flowered varieties including pompons, anemone-flowered, etc., which are among the most popular for garden decoration and cutting purposes. The dainty blooms are borne in spray-like masses in such great profusion that they very often cover the foliage. They require no disbudding or any other technical manipulation making them among the easiest of garden flowers to grow. The range of colors is very large, the size ranging from the tiny button pompon to the large anemone-flowered sorts.

ANEMONE AND SINGLE FLOWERED TYPES

CAPTIVATION. Mahogany red with yellow-tipped quills.

CURLY LOCKS. Beautiful pink single.

GRAF VON ORIOLA. Lavender pink with golden yellow center.

INNOCENCIA. Creamy white with beautiful yellow cushion.

SUNSHINE. Brilliant golden-yellow. Very late.

FEATHERY AND QUILLED TYPES

BENTEN. Quilled petals, greenish gold at center tipped with deep red.

JIU JITSUI. Pure white, quilled effect.

LAVENDER FEATHER. Stunning deep lavender. Very prolific.

YELLOW TAGGART. Golden yellow with quilled petals covered with hairs.

POMPON FLOWERED TYPES

ADIRONDA. Excellent early bronze.

BOKHARA. Combines all the tints of red, rose, and bronze found in Autumn leaves.

CORA PECK BUHL. Deepest in color of all the yellows.

ETHEL. Bright red, gorgeous in color.

FRANCIS HUCKVALE. Gardenia white with creamy center.

LA GRAVERE. Good deep red, late blooming.

LITTLE DOT. Pale rose-pink, button type.

MARY PICKFORD. Pure white, button type, perfect ball shape.

MERRY CHRISTMAS. Deep yellow, latest to bloom.

NEW YORK. Splendid bronze pompon.

NUBIAN. Early bright chestnut bronze.

PINK DOT. Blush white with pink dot in center.

RODI. Purplish rose, button type.

ROSE CHARM. Bright rose-pink. Strong growth.

VARSITY. Yellow button of good form and substance.

Prices of Any of the Above Anemone-Flowered, Feathery,
or Pompons 15c Each; \$1.50 Dozen; \$12.00 Per 100.

Herbaceous and Perennial Flowering Plants

ACHILLEA. (Milfoil or Yarrow)

Very useful for rockeries, in dry or shady locations or planting in beds. Very hardy. Pink flowers in dense heads make a fine showing in the garden and are extensively used for mixing in bouquets. Grows 12 inches high.

MILLEFOLIUM ROSEUM. Rosy pink flowers.

PTARMICA. Pure white double flowers.

In 3-in. pots 15c each; \$1.50 dozen.

ALOE SAPONARIA

Flat spreading triangular leaves with large brownish teeth. Very ornamental reddish brown leaves with light spots. Brilliant orange flowers. Belongs to succulent family. 25c each; \$2.50 dozen.

ALYSSUM

SAXATILE. Free and early flowering suitable for borders or rock garden with broad masses of bright yellow flowers. 3-in. pots 15c each; \$1.50 dozen.

ANCHUSA ITALICA. (Dropmore Variety)

One of the finest blue flowers for the garden. This improved variety produces large blossoms of a rich, dark blue in long, loose sprays. Stems are strong and branching 5 to 6 feet high. Unexcelled for a summer and fall bloomer. In 3-in. pots at 15c each; \$1.50 dozen.

ANTHEMIS. (Golden Marguerite)

Among the yellow flowering perennials this variety is easily one of the best. Grows from 12 to 18 inches high, bushy in habit, and with long stemmed daisy-like flowers that bloom freely through late spring and summer. 3-inch pots 15c each; \$1.50 dozen.

AQUILEGIA. (Columbine)

Few flowers equal this favorite for general garden purposes. Splendid for bedding, excellent in their beauty and grace for

cutting, and so hardy that they are very easily grown and stand a lot of rough treatment.

LONG SPURRED HYBRIDS. Distinctly improved flowers that bloom profusely over the airy, attractive foliage. 3-in. pots 15c each; \$1.50 dozen. Field clumps 35c each; \$3.50 dozen.

COERULEA. A beautiful blue shade, very attractive. In 3-in. pots at 15c each; \$1.50 dozen.

ARABIS ALPINA. (White Rock Cress)

Useful for edging and borders or rockery. Pure white flowers produced in dense masses. Lasting. In 3-in. pots at 15c each; \$1.50 dozen.

PERENNIAL ASTERS. (Michaelmas Daisies)

These are among the showiest of our hardy garden plants producing a wealth of bloom during September, October and November, a season when most other hardy flowers are past. For best effect plant in masses of one variety. They grow freely in most any soil.

CLIMAX. Lavender blue grows to a height of 3 to 4 feet. One of the largest flowering sorts.

MAUVE CUSHION. Entirely distinct, forms a cushion-like plant 2½ feet across and seldom grows over a foot in height. Flowers are delicate mauve with silvery reflection and completely cover the plant. Fine for planting in rockeries.

ROSEUM. Similar to Climax in form, grows to a height of 3 feet. Flowers deep rose pink, very showy.

WHITE CLIMAX. Pure white, grows to a height of 3 to 4 feet. Free flowering.

Price: Any of the Above in Field Divisions at
20c Each; \$2.00 Per Dozen.

CAMPANULA. (Bellflower)

Beautiful for the perennial border and beds and the rockery.

CARPATICA. (Carpathian Harebell)—Clear blue, splendid for edging. Grow about one foot.

PYRAMIDALIS. (Chimney Bellflower)—Spikes of blue, star-shaped flowers from 4 to 6 feet long. A beautiful flower.

In 3-in. pots 15c each; \$1.50 dozen.

CARNATIONS

We are offering this season a strain of carnations that brings to this class of flowers the acme of perfection. For size, beauty of color, and fragrance we consider them by far the best as yet introduced.

EARLY DAWN. Pink and yellow variegated.

EARLY ROSE. A very bright rose-pink.

ELDORA. Variegated scarlet and white.

ILLUMINATOR. A shining and showy cerise shade.

MATCHLESS. Beautiful coral and white variegated.

PINK ABUNDANCE. Clear pink, a splendid color.

POTENTATE. Rich deep purple, unusual.

RADIOLITE. A wonderful shade of medium red, very striking.

SALMON SPECTRUM. Soft salmon, an exquisite shade.

In 3-in. pots at 20c each; \$2.00 dozen.

CERATOSTIGMA. (See Plumbago Larpentae)

CHRYSANTHEMUM MAXIMUM. (See Shasta Daisy)

CONVOLVULUS MAURITANICUS

A beautiful prostrate plant from South Africa with blue flowers similar to Morning Glory. In 3-in. pots 15c each; \$1.50 doz.



GAILLARDIA

Herbaceous and Perennial Flowering Plants (Continued)

DELPHINIUM. (*Perennial Larkspur*)

GOLD MEDAL HYBRIDS. A wonderful flower and deservedly popular. Few classes of flowers are as rich in worth-while value to the garden as these. Our strain includes a variety of glorious shades of blue from the palest sky-blue through the intermediates to the darkest blue colors. For a mass effect of blue there is nothing to equal this strain of Delphinium. In 3-in. pots 15c each; \$1.50 dozen or field clumps 25c each; \$2.50 dozen.

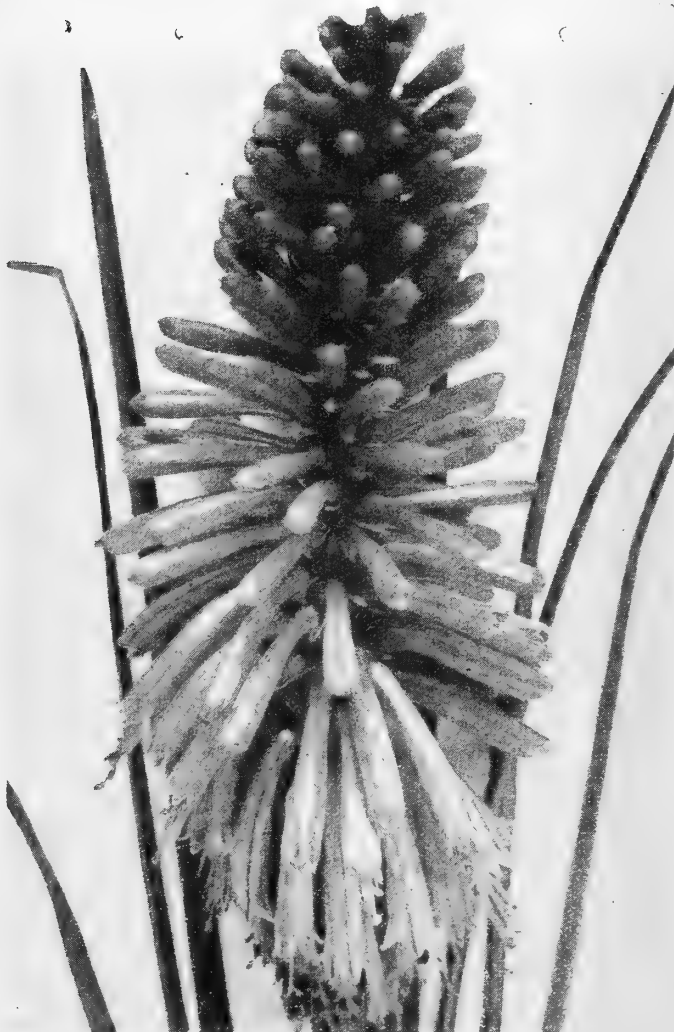
ENGLISH HYBRIDS. Plants grown from selected seed produced by the best English firms. Tall growers, double, and beautiful in color. In the shades of Light Blue, Dark Blue and Pastel. In 3-in. pots at 15c each; \$1.50 dozen.

DIGITALIS. (*Foxglove*)

Stately dignified old-fashioned flowers that are a credit to any garden. Hardy, handsome plants with stems attaining a height of 4 feet and more, almost completely covered with flowers ranging in color from pure white to deep rose together with crimson, maroon and other deep shades. In 3-in. pots 15c each; \$1.50 dozen.

GAILLARDIA. (*Blanket Flower*)

This worth-while perennial is one of the grandest subjects for the garden and cut flower purposes. The blooms are of exceptionally large size on long stems. The center is dark red-brown while the petals have a ring of blood-red with yellow. A sturdy vigorous plant that starts blooming in June and lasts through the autumn and into the winter. In 3-in. pots at 15c each; \$1.50 dozen.



GERBERAS. (See color page)

GEUM. (*Avens*)

An extremely showy border plant growing about 15-in. to 18-in. high and producing bright colored flowers in great profusion.

MRS. BRADSHAW. Very showy and compact growing, bearing double, bright scarlet flowers on very long branched stems. Excellent for rockeries, bedding, and for cut flowers.

LADY STRATHEDEN. A counterpart of the variety Mrs. Bradshaw bearing instead blooms of a rich golden yellow.

Either variety in 3-in. pots 15c each; \$1.50 dozen.

GYPSOPHILA. (*Baby's Breath*)

FLORA PLENA. No perennial possesses the grace of this old-fashioned flower. When in bloom it is a mass of small white flowers forming a beautiful airy, gauze-like effect. The variety Flora Plena we are offering is distinctly larger and more double and of purer white than the older variety. In 3-in. pots at 15c each; \$1.50 dozen.

REPENS. A dwarf trailing plant with light green foliage and tiny white and pink flowers. Excellent for the rockery. In 3-in. pots at 15c each; \$1.50 dozen.

HEDYCHUM

CORONARIUM. Sometimes called "The Ginger Lily." Very large pure white flowers growing 3 to 4 inches across on tall stems. Of great beauty and fragrance. Field plants 35c each; \$3.50 dozen.

HELENIUM. (*Helen's Flower*)

AUTUMNALE SUPERBUM. A very desirable border plant that does well in any soil, but prefers a sunny location. Broad-spreading flower heads, golden yellow, useful for garden decoration and for cutting. Blooms over a long period and attains a height of 5 to 6 feet. In 3-in. pots at 15c each; \$1.50 dozen.

HEUCHERA. (*Coral Bells*)

A low growing plant desirable for the rockery or the border. Robust in growth, hardy, and easily grown. Bears loose, graceful spikes of coral-red flowers. 3-inch pots 15c each; \$1.50 dozen.

HOLLYHOCKS

HYBRIDS. Where height and color are required in the garden, Hollyhocks are indispensable. The plant is stately, majestic and hardy, 6 to 8 feet high, which can be placed among the shrubbery where their enormous spikes of bloom produce a highly attractive and showy effect. In 3-inch pots at 15c each; \$1.50 doz.

LEUCOPHYLLUM TEXANUM

An excellent shrub-like plant native of Texas with soft silvery foliage and bright violet-blue flowers. Easily grown, requires little care or water. 3-in. pots 15c each; \$1.50 dozen and field plants 50c each; \$5.00 dozen.

LINUM PERENNE. (*Blue Flax*)

Very attractive both in foliage and bloom. Beautiful blue flowers on slender, graceful stems. In 3-in. pots 15c each; \$1.50 dozen.

LOBELIA. (*Cardinal Flower*)

CARDINALIS. Something entirely different from the common low-growing Lobelia. This variety grows about 2 feet high with rich, fiery, cardinal flowers. Strong plants, thriving in most any soil, but preferring a moist location. Bloom spikes are often 2 to 3 feet long and as many as 10 to 15 on one plant. Foliage is an attractive bronzy-red. In 3-inch pots at 15c each; \$1.50 dozen.

PETUNIA. (*Double Ruffled Peony-Flowered*)

We honestly believe our strain of these petunias to be the finest anywhere. A range of colors that includes pure white, lavender, various shades of pink, red, purple and all the intermediate colors. The flowers are truly like a peony in form, color and size. In 3-in. pots 25c each; \$2.50 dozen.

Herbaceous and Perennial Flowering Plants (Continued)

PERENNIAL PHLOX

There has been such a marked improvement in this beautiful old-fashioned flower that the array of color displays in the garden formed by plantings of Phlox is strikingly impressive. We have selected for our offering a range of colors and types that includes the best of the older varieties together with the novelties that have proven their worth.

Phlox are gorgeous in color, extremely effective in the garden, exquisitely fragrant and decidedly easily grown. Our plants are strong field divisions that will bloom continuously throughout the summer and fall.

ALBION. Pure white with pale pink eye; beautiful and vigorous.

B. COMTE. A pretty shade of purple overlaid with crimson with a very dark eye. An excellent variety.

BRIDESMAID. A pure white phlox with a distinct crimson eye. Very popular.

CREPUSCULE. A flower with a suffusion of mauve over a white ground; rosy purple eye. Effective and striking.

ECLAIREUR. One of the newer colors in phlox. Brilliant rosy-magenta with lighter halo.

GEN. VON DIEDEM. Brilliant and beautiful; rich dark salmon scarlet.

GOLIATH. An unusually large bright orange-scarlet. Tall and vigorous growing.

LA VAGUE. Large trusses of a delicate shade of soft pink. An old favorite.

LEO SCHLAGETER. A grand and distinctive new Phlox of dazzling beauty. The color is light carmine-scarlet with orange reflex—an effect indescribably brilliant. Bears immense heads of large florets. A glowing gem that will appeal to every lover of these popular flowers.

MICHAEL BUCHNER. One of the old-time favorites. Pale clear lavender of great beauty.

MRS. JENKINS. One of the oldest of the phlox family and still one of the best and probably the most popular of the pure whites.

OBERGARTNER REICHENAU. Bright rose colored flowers, extra large in size. Strong, compact grower. Very desirable.

PANTHEON. An elegant shade of bright rose pink with a distinct dark eye.

PROF. SCHIELEMANN. An attractive shade of lilac-rose with slightly conical-shaped trusses.

RHEINLANDER. Large blossoms and trusses of a beautiful salmon pink, the center of each floret having a carmine-crimson eye.

RYNSTROM. A superb shade of dark salmon rose flowers carried in immense trusses. One of the finest of its color.

SELMA. Clear, bright rose with a distinct carmine-crimson eye offering a strikingly effective contrast. Huge trusses and large flowers.

Collection of one of each for \$2.75.

PLUMBAGO

LARPENTAE. A very desirable border and rock plant and also fine for window boxes. It is of dwarf spreading habit and completely covered in the summer and fall with exceedingly bright deep blue flowers. Field clumps 25c each; \$2.50 dozen.

PRIMULA. (Primrose)

The primroses are among the most beautiful and interesting of California winter and spring blooming flowers. They prefer a half-shaded location and want a fairly rich soil.

MALACOIDES. A Chinese introduction that has met with instant favor. Charming lilac and soft light pink flowers. Very attractive. 3-in. pots 15c each; \$1.50 dozen.

RUDBECKIA. (Golden Glow)

One of the best yellow flowers we have. Grows to a height of 4 or 5 feet, and produces a mass of gorgeous yellow blooms during August and September. Makes a fine cut flower as well as a desirable background for perennial borders. In 3-in. pots at 15c each; \$1.50 dozen. Field clumps 25c each; \$2.50 dozen.

SCABIOSA

COLUMBARIA. This new introduction is an invaluable flower for cutting purposes. An exceptionally good winter bloomer blossoming almost the entire year. The flowers are very lacy and

graceful, borne on long stems with a variety of colors exquisitely beautiful, ranging from lavender-blue through mauve shades, etc., to almost a clear pink. In 3-in. pots at 15c each; \$1.50 dozen.

SEDUM

Fine plants for rockeries on banks for borders, etc. Do well in full sun and also in part shade. A very valuable class of plants.

ACRE. Deep green foliage with bright yellow flowers.

STAHLI. Thick bronze-red foliage and yellow flowers.

VIRESCENS. Attractive foliage and golden yellow flowers.

Any of the above in 3-in. pots at 15c each; \$1.50 dozen.

SHASTA DAISY

BURBANK'S HYBRIDS. Here are Shasta Daisies that are head and shoulders above any other type we know. They are one of the last great achievement of the late Luther Burbank. The entire strain is composed of many types quite different from each other, some are beautifully frilled, others have double rows of petals, some are dwarf and some extra tall. All are exceedingly free flowering. Offered in mixed types only. 3-in. pots 15c each; \$1.50 per dozen.

SOLIDAGO. (Golden Rod)

A graceful and useful perennial that blends very nicely with other garden flowers and shrubbery. Produces attractive arched sprays of golden yellow flowers. In 3-in. pots at 15c each; \$1.50 dozen. Field clumps 25c each; \$2.50 dozen.

STATICE. (Sea Lavender)

A popular class of flowering plants used extensively for cutting for mixture in bouquets; also splendid for drying and use as winter bouquets.

PEREZI. Bears in profusion purple-blue flowers above its blue-green leaves.

CASPIA. Flowers are of a tiny pale lavender borne on dense clusters. Leaves are small and shiny. An excellent rockery plant.

LATIFOLIA. Large, leathery leaves that grow close to the ground, above which are borne large graceful flower heads of purple blue.

Any of the above in 3-in. pots, 15c each; \$1.50 dozen.

STOKESIA. CORNFLOWER ASTER

A very handsome perennial, with China Aster-like flowers, that appears late in the season, about September. It prefers a warm sheltered location. Should certainly be grown in all gardens since its flowers are most beautiful in form and color.

CYANEA COERULEA. Beautiful light blue flowers are produced profusely in late summer and early autumn on 18-inch stems; lovely for cutting or in front of the border. Stokesias are one of our best late summer-flowering hardy plants. In 3-in. pots at 15c each; \$1.50 dozen.

THALICTRUM. (Meadow Rue)

Too much cannot be said in praise of this new plant. Introduced several years ago it is rapidly making a permanent place for itself in the garden. The foliage is small and dainty, resembling the Maidenhair Fern. Forms dainty, graceful sprays of violet-mauve colored flowers beautifully arranged on stems 4 feet high. Invaluable for cutting. A heavy bloomer. In 3-in. pots 15c each; \$1.50 dozen.

TRITOMA. (Red Hot Pocker)

PFITZERI. A stately plant that will transform your garden into a blaze of color. Plant has long reed-like leaves, with flowering stems 4 to 5 feet tall. Color an orange scarlet shading to yellow. Flowers long lasting and very fine for large vases. An excellent subject too plant around pools or in connection with the Spanish type of structure. Price: 3-in. pots 20c each; \$2.00 dozen. Field clumps 35c each; \$3.50 dozen.

VERBENA

These popular and useful plants are used on banks, in beds, borders, parkings, window boxes or as an undergrowth among taller plants. There is a constant succession of bloom almost the entire year.

ERINOIDES. (Moss Verbena)—A trailing perennial with finely cut foliage and bright purple flowers. Blooms very freely.

VENOSA. A hardy spreading plant of splendid growth and covered with heliotrope colored flowers.

Either variety in 3-in. pots at 15c each; \$1.50 dozen.

Ornamentals - Geraniums - Ferns

AGAPANTHUS. (Umbellatus)

BLUE AFRICAN LILY. (Lily of the Nile)—Bearing clusters of bright blue flowers on stout stalks, similar to the Amaryllis in appearance and culture. Does well in sun or partial shade. Also can supply the white variety if preferred. Strong field divisions 25c each; \$2.50 per dozen.

CANNAS

Cannas are the most easily grown and most useful bedding plants we have. They thrive in any soil, but respond quickly to good treatment. Spade the Canna bed to a depth of 2 feet, incorporating any fertilizer that may be handy, and keep the plants well watered. The results will be surprising.

THREE UNSURPASSED CANNAS

COPPER GIANT. An immense flower on a very vigorous plant, color madder-red suffused with rose. 4 feet. 35c each; \$3.50 dozen.

LOUIS CAYEUX. A strong, vigorous giant flowered variety with blooms of coral-red deepening to rosy-scarlet, giving a two-toned effect different from all other cannas. 4 feet. 35c each; \$3.50 dozen.

MRS. PIERRE S. DUPONT. Really a gorgeously beautiful canna. Color a vivid, watermelon pink that is distinctly a new shade in cannas. Foliage is broad and long, dark green, forming a beautiful foil for the gigantic trusses of bloom. 4 feet. 35c each; \$3.50 dozen.

One each of the above new varieties for \$1.00 postpaid.

STANDARD SORTS

AMBASSADEUR. Appropriately referred to as the "Bronze Leaved President;" a wonderfully vigorous free-flowering brilliant cherry red. 5 feet.

CARMINE BEAUTY. Bright deep carmine flowers produced freely in large trusses well above dark green foliage. 4 feet.

CHEERFULNESS. Its name aptly describes the lively beauty of this charming variety. Bright fiery deep orange florets which are broadly bordered golden yellow. The large trusses are carried very erect over the massive foliage and are produced in great profusion. 4½ ft.

DAZZLER. Masses of fire-red flowers heightened by an orange suffusion completely cover the dark green foliage of this splendid and most effective variety. 3½ feet.

ENCHANTRESS. Unapproached in quality or beauty. Color a delicate old rose passing to salmon as the flower ages. 4½ feet.

HUNGARIA. An ideal pink bedder, flowers large in good sized trusses produced very freely, color a beautiful rose. 3½ feet.

KING HUMBERT. Perhaps the most widely grown of all cannas. The great orange-scarlet flowers surmount beautiful bronze foliage. 5 feet.

LA FRANCE. A beautiful shade of La France rose with a touch of cream in the throat. 4½ feet.

METEOR. The rich crimson-red flowers form immense trusses of great beauty. They are borne well above the foliage and are produced in the greatest profusion. 5 feet.

MRS. ALFRED CONARD. A popular variety, producing freely large trusses of exquisite shell-pink flowers. Green leaves. 4 ft.

PRESIDENT. The greatest red canna. It is neither a crimson nor a scarlet, but a glowing pure red which colorists call vermilion. Green leaves. 4½ feet.

QUEEN HELENE. (Yellow King Humbert)—Immense flowers of a rich golden-yellow spotted with vermillion. Green leaves. 4½ feet.

ROSEA GIGANTEA. Large flowers in great abundance, of a deep rich rose, almost a coral carmine.

SAN DIEGO. A true orange without red suffusion. Rich and velvety. Bronze leaves. 4½ feet.

UHLBERG. Entirely distinct. The flowers expand very fully and are of a soft rosy carmine, the throat of the flower is of a creamy yellow. 4½ feet.

Price of the above 20c each; \$2.00 dozen.

One each of the above fifteen standard varieties for \$2.25 postpaid.

HEMEROCALLIS. (Day Lilies)

Beautiful hardy perennials belonging to the lily order. For generations great favorites in all gardens, both here and abroad. The numerous species have long, narrow leaves and yellow or orange flowers, many of which possess a delicious fragrance. Very graceful and stately plants for the waterside, naturalizing in grass, or growing in the partially shaded border.

STANDARD SORTS

AURANTIACA. A strong growing and free-flowering variety, producing rich orange-yellow flowers in early summer. 2 feet.

DR. REGEL. Handsome, rich orange-yellow flowers in May. Very fragrant. Fine for cutting. 1½ feet.

FLAVA. (Lemon Lily)—Sweet scented, clear full yellow; 2½ feet. Flowers in June.

FLORHAM. A strong grower, 3 to 3½ feet high, large, trumpet-shaped flowers; rich golden yellow, with Indian yellow markings. June and July.

FULVA. (Brown Day Lily)—Coppery orange, shaded crimson. 3 feet. July.

KWANSO. Large, double-flowered variety with rich golden bronze. Flowers in July and August.

THUNBERGI. Much like Flava, but flowers in July, a month later. Spikes 2 to 3 feet tall, and pale yellow blossoms.

Any of the above 25c each; \$2.50 dozen.

One of each of the seven varieties for \$1.35 postpaid.

LIATRIS

PYCNOSTACHYA. This beautiful perennial is perhaps better known as Gay Feather or Blazing Star. A very showy perennial that produces quantities of rosy purple flower spikes, admirably adapted for cut flowers. Succeeds anywhere. 35c each; \$3.50 dozen.

GERANIUMS. (Ivy-Leaved)

This is the trailing or creeping geranium especially suited for covering banks, hillsides, parkings, for use in window boxes, etc.

CHARLES TURNER. The best known Ivy Geranium and the most useful for all around purposes. Deep, bright rose-pink with flowers of large size.

ETINCELANT. Intense orange-scarlet flowers of extra large size. One of the best ever raised.

Either variety in 3-in. pots 15c each; \$1.50 dozen.

PELARGONIUMS. (Martha Washington Geraniums)

These beautiful Azalea-like flowers are becoming more and more popular. They make such excellent pot plants as well as for the garden bed, that they rank very high among the most beautiful summer and autumn-flowering plants. They are amazingly rich in coloring, extraordinarily striking in color effect.

BERTHA WAGNER. Deep carmine-rose, edged white; very dainty.

MRS. KRUMB. Pale, soft rose; upper petals blotched deep purple-red.

PETER HOSER. Fiery brick-red with black blotches.

Any of the above in 3-in. pots 15c each; \$1.50 dozen.

FERNS

ASPARAGUS PLUMOSUS. Used for mixing in bouquets. 3-in. pots 15c each; \$1.50 dozen.

ASPARAGUS SPRENGERI. For hanging baskets, in the fernery, etc. 3-in. pots 15c each; \$1.50 dozen.

SWORD FERNS. Excellent in the fern bed and for pot culture. 3-in. pots 15c each; \$1.50 dozen.

WOODWARDIA FERNS. The giant mountain fern. Gallon cans 50c.

SMILAX. A useful and graceful climber growing anywhere but does best in partial shade. Used for decoration and in bouquets. In 3-in. pots at 15c each; \$1.50 dozen.

Fruit Trees, Small Fruits, Grape Vines

Contained in the following you will find a complete list of the various fruit trees, vines, and berry plants that we have to offer for this season. After the description of each variety we have noted the month of ripening. All prices are quoted f. o. b. Los Angeles, and due to market changes, are subject to change without notice. In general we supply one dozen trees for the price of ten. Please write us for special prices in large quantities.

Planting Instructions. On receipt of shipment unpack it immediately, and if not planted at once place the roots of the trees in a trench, cover them with soil, and water thoroughly, so as to settle the dirt well about the roots. For this purpose it is well to open the bundle. If on account of delay enroute the trees look withered, bury them entirely in wet soil for a few days until they have recovered.

It is of great importance to dig holes deeper and larger than is necessary to admit all the roots in their natural position, keeping the surface and subsoil separate. While we exercise the greatest care possible in digging and packing the

trees the loss or injury of the roots is sometimes unavoidable. Any injured roots should be cut off with a sharp knife. Fill the hole with the surface soil, so that the tree after the earth has settled will stand about as deep as it did in the nursery, a line which can usually be noted by a difference in color. Settle the soil well around the roots by filling the hole with water. Never let manure come in contact with the roots, but it can be used as a top dressing.

Grass or weeds should never be allowed to grow around the trees. The ground should be thoroughly cultivated, so that the finely pulverized soil forms a mulch over the whole surface of the ground.

Apples, Apricots, Peaches, Pears, etc., should be pruned back according to the size of the tree. Tree protectors should be used against sunburn.

Guarantee. While we exercise the greatest care to have all stock true to its name, it is understood and agreed that should any stock prove untrue to name we shall be held liable only for the sum paid for the stock that may prove untrue and shall not be held liable for any greater amount.

Almonds—60c Each

I. X. L. Nut large, soft shell, good bearer. Vigorous, upright grower. One of the best commercial varieties.

Texas Prolific. Medium size, soft shell, regular and heavy bearer. Good for pollinizing others.

Apples—60c Each

Delicious. An excellent variety of delicious flavor. Large, conical, brilliant red on yellow ground. Flesh crisp, juicy and sweet. "November."

Jonathan. Fruit medium, roundish, skin yellow nearly covered with lively red, flesh fine grained, good keeper. "October to December."

Red June. Medium, oblong, deep red, excellent early table variety. "June to July."

White Winter Pearmain. Medium size, skin light yellowish green, flesh tender. One of the leading varieties. "November."

Yellow Bellflower. Large yellow with a blush on the sunny side. Very tender, juicy. An excellent apple.

Crab Apples—60c Each

Transcendent. Medium large, round, yellow striped with red. Highly recommended. "August."

Apricots—60c Each

Royal. Medium to large, oval, orange in color, sweet, excellent flavor. Very productive. Highly recommended for all purposes. "Early June."

Newcastle. Medium, orange with red cheek. Ripens early. "First of June."

Cherry—75c Each

Bing. Dark red nearly black. Fine flavor, very productive. "Late June."

Black Tartarian. Large, purplish black flesh, juicy, rich and sweet. Strong grower and prolific bearer. "June."

Early Richmond. Medium size, red, melting juicy, slightly acid flavor. "Late May."

Royal Ann. Large, yellow, light with red cheek. Flesh juicy and sweet. "Late June."

Figs—60c Each

There is probably no fruit that repays its owner so well as a few fig trees. From early summer till late fall there is a constant supply of wholesome appetizing fruit. The trees require sufficient moisture to keep them constantly growing during the summer months, in order to fruit well.

Black Mission. This is probably the most common black fig in California today. Fair size, dark purple, almost black in color. Flesh very rich and sweet. Strong grower and heavy bearer. "August."

Black Spanish. Not so black in color as the Black Mission, but a much larger fig, vigorous and very prolific. "August."

Brown Turkey. Large, dark purplish red, good quality, earliest to ripen and bearing fruit constantly until frost. Valuable market variety. "July."

Kadota or White Pacific. This is one of the very best white Figs. Medium size, slightly elongated, yellowish green, flesh yellow, of excellent quality, rich and sweet as honey. Does not crack or sour and dries perfectly. "August to November."

White Adriatic. Large, greenish yellow skin, red flesh. Vigorous grower and prolific bearer. "August."

Nectarines—60c Each

The Nectarine is practically a peach with a smooth skin. Its delicious and aromatic flavor makes it especially valuable for the table and also for drying and canning. It requires the same culture as the peach.

Boston. Large, deep yellow with bright blush and mottling of red. Sweet and of a peculiar, pleasant flavor. Ripens in August.

Stanwick. Large, greenish white with violet cheek, flesh white, juicy and delicious. "August."

Plumcots—60c Each

Apex. This fruit, as indicated by its name, is a very satisfactory combination of the Apricot and the Plum. Large round, yellow, rich and aromatic. "June."

Peaches—60c Each

The trees do best on a well drained sandy loam, rather than on land inclined to be moist. When too many fruits have set the only remedy is to thin them out. Thinning is done before the pit has formed.

Freestone

Early Crawford. Very large, oblong, golden yellow with red cheek. Flesh yellow, juicy and sweet. "July."

Elberta. Oblong, bright golden yellow with beautiful red cheek. Flesh very firm, juicy and sweet, vigorous and very productive. "August."

Foster. Large, bright yellow with dark cheek. Resembles early Crawford, much better quality, ripens earlier. "July."

George IV. Large, flesh white, skin creamy white shaded red, prolific. "July."

J. H. Hale. Valuable new variety, resembles Elberta but larger and better quality. Skin almost fuzzless, flesh very firm, good shipper. "August."

Late Crawford. Large golden yellow with dull red cheek. Flesh yellow with dull red cheek. Flesh yellow, juicy and sweet. "August."

Lovell. A California variety, large, almost perfectly round, clear golden yellow, with faint red blush. Flesh fine, grain firm and yellow to the pit. A superb canning and drying peach. "August."

Miller's Late. Matures three weeks later than Salway. Fine flavor. Flesh yellow. The latest of all freestones. "October."

Salway. Large round, yellow shaded red, sweet and rich flavor. Good canning peach, also best for late market. "September."

Saucer. Australian, medium size, flattened on both ends. Creamish white, shaded crimson. Flesh white. A peculiar sweet flavor. "June."

Imperial. Early free, a strong vigorous grower yielding abundantly. Fruit large with small pit, skin yellow, heavily shaded with dark red. Flesh yellow, rich and firm. "Late June to July."

Clingstone

Clingstone peaches are much sought after by canners on account of their richness and firmness. Recommended for home canning.

McClure's Strawberry Cling. A new valuable variety, large creamy white, nearly covered with brilliant crimson. Flesh white, red round the pit. "August."

Tuscan Cling. A popular canning variety. A fancy peach, large, deep red on sunny side, solid yellow fleshed. Early and heavy bearer. "July."

Orange Cling. Very large, golden yellow with crimson cheek. Flesh yellow, sweet delicious. "Late August."

Pears—60c Each

Winter Nelis. An early winter pear of very good quality. Fruit medium size and dark russet in color, heavy bearer and good flavor. "December."

Kieffer. A large fruit variety of golden yellow color. Flesh somewhat coarse and juicy, and quince flavor. "October."

Bartlett. The best known and most popular pear in California. The tree is a vigorous grower, bearing abundantly, fruit of large size, and rich flavor. "August."

Plums—60c Each

This fruit grows well in all parts of the state. The Japanese varieties and their crosses occupy a prominent place in the plum culture of California. The European varieties are also held in considerable favor, especially for canning purposes.

Blue Damsion. Small, skin purple, flesh yellowish green. Juicy and rather tart. An old favorite sort for making jam. "September."

Burbank. Medium large, yellow mottled red, flesh yellow, small pit, very productive. "July."

Santa Rosa. Large purplish crimson, flesh yellow mottled crimson. Very good quality, excellent for all purposes. "Early July."

Satsuma. A very large and well flavored plum with blood red flesh, akin blush red, a very small pit. Vigorous and productive. "July."

Wickson. Deep cherry red to a rich claret color when ripe. Flesh amber, very juicy. "August."

Prunes—60c Each

The prune is really a plum with the distinguishing characteristic that it dries sweet and makes a commercial product. In California the prune industry is one of the great horticultural interests of the state.

French. The best of all commercial Prunes. Medium size, skin reddish purple with a blue bloom. Flesh very sweet and rich. Regular bearer, used extensively for drying in California. "August."

Sugar. Medium large, dark purple, flesh yellow, juicy and sweet. Excellent for canning and drying. "August."

Tragedy. Large, dark purple, yellowish green meat, rich and sweet. Fine table prune. "July."

Fruit Trees, Small Fruits, Grape Vines--Continued

Pomegranate—60c Each

The Pomegranate grows in bush form, and should not be pruned very much if a large crop of fruit is the main object. However, its glossy light green foliage and beautiful scarlet flowers render it also very desirable for ornamental purposes. A pomegranate hedge is especially beautiful.

Persimmons—85c Each

The value of this beautiful and luscious fruit is becoming more and more recognized. Persimmons are particularly hard to transplant. The root must never be allowed to become dry before planting, and after planting until well established they must be well supplied with water. If this is neglected a large percentage may die.

Hachiya. Very large, oblong conical with short point. Very showy. Diameter three and three-fourths inches, skin bright red with occasional dark spots or blotches and rings at the apex. Flesh is a deep yellow, astringent until ripe, then very fine.

Quince—60c Each

This fruit succeeds almost everywhere in California and is especially in demand for jellies and preserving.

Champion. Large, light yellow, very productive. "September."

Van Deman. Originated by Burbank. Hardy and a strong grower, early and prolific bearer, ripens through a long season and keeps well. "Late September."

Walnuts—\$1.50 Each

The English Walnut is the great commercial nut of California, and the class of nuts known as soft shells is the one universally planted at the present time. A deep rich soil is best adapted for the Walnut. Much attention has been given in recent years to the budding and grafting of the Walnut. Budded or grafted trees yield a nut larger than the average seedlings.

Eureka. Large oblong, soft shell tightly sealed. Tree vigorous grower, blight resisting, good producer, blooms very late. Therefore, not so much subject to late frosts.

Placencia Perfection. A favorite in Southern California. Nuts large, soft shell, white meat of excellent quality. Heavy and regular bearer.

CITRUS TREES

When planting a citrus tree the burlap should be left on the ball of the tree. If removed the soil is apt to fall away from the roots, lessening the chances of the tree to live.

Orange—\$1.75 Each

Washington Navel. The world wide famous California Orange. Fruit large and seedless. Flesh juicy, sweet and highly flavored. Ripens November to March.

Valencia. Sharing more and more the popularity of the Navel, and often bringing the highest prices in the market. Ripens after the Navel season is over. Fruit medium size, few seeds, tender, sweet and delicious. "May to October."

Lemon—\$1.75 Each

Eureka. This is the most commonly grown and leading variety. Almost thornless. Fruit of good even size and splendid quality. Almost seedless.

Grape Fruit—\$1.75 Each

Marsh's Seedless. Extra large, practically seedless. It has a very fine flavor. Best of all Grape Fruits. Strong grower and heavy bearer.

Tangerine—\$1.75 Each

Dancy. Very popular Mandarin variety. Skin orange red, meat juicy and sweet, few seeds. Vigorous and prolific. "March."

GRAPE VINES AND SMALL FRUITS

Grapes

Foreign Varieties—15c Each—\$1.25 Doz.

Black Morocco. A fine late black grape. Very large berries. Flesh firm, bunch compact. Ripens October.

Black Prince. Produces large bunches of round black berries. Flesh crisp and firm, flavor sweet and rich. "September."

Cornichon. Berries long and large, skin blue-black and thick. Flesh firm, good flavor. Late keeper and good shipper. "October."

Emperor. Fruit large, oval, dark red, juicy and sweet. Good shipping and keeping quality. "November."

Malaga. Very large, greenish white, meaty, sweet and juicy. "August."

Mission. Medium size, blue-black, good for table and wine. "September."

Muscat. Standard table and raisin grape. Fruit large, greenish yellow. Flesh firm, sweet and juicy. "August."

Thompson Seedless. Small, yellow, very sweet and delicious flavor, prized for table raisins. "July."

Zinfandel. Bunches large and compact. Planted extensively in California for the juice. "September."

Flame Tokay. Bunches and berries very large, pale red with bloom, flesh firm and sweet. "September."

Postage on any of the above grapes 25c per dozen extra

American or Eastern Grapes—20c Each \$2.00 Doz.

Concord. The most widely known and popular of all American grapes. The vine is a healthy, vigorous grower, and being hardy, it succeeds where the more tender varieties fail. "August."

Niagara. Large fruit, pale yellow color, skin thin and tough, tender and sweet flesh. "August."

Postage on any of the above 25c per dozen extra

SMALL FRUITS

There are few if any sections in California where one or more of the so-called small fruits or berries do not thrive well. They are especially adapted to the garden, on account of the small space occupied, and the short time in which fruit can be obtained.

Currants

Fay's Prolific. Extra large, very productive, red, excellent quality. 20c each, \$2.00 doz.

Gooseberries

Oregon Champion. Medium large, round, fine quality, productive and free from mildew. 20c each, \$2.00 doz.

Postage on any of the above 25c per dozen extra

Blackberries

A most rampant grower. Should be trained on a trellis and be pruned back like the grape vine.

Mammoth. Strong grower and heavy bearer. Berries large, highly flavored and very sweet. Ripens early and fruits over a long period. 15c each, \$1.50 doz.

Cory's Mammoth Thornless. Can be kept in bush form by pruning. Ripens early, flavor delicious, sweet, flesh firm, melting and juicy, few seeds. Berries are very large. Vines are thornless, making picking easy. "June and July." 15c each, \$1.50 doz.

Himalaya. A very rampant grower and heavy yielder. Fruit has few seeds. 15c each, \$1.50 doz.

Dewberries

A trailing low bush blackberry.

Cardena. Berries large, ripens early, vigorous and very productive, fine quality. 15c each, \$1.50 doz.

Loganberries

Supposed to be a hybrid between the Blackberry and Raspberry, but it is entirely distinct from either of its parents. When fully ripe it is a very dark red, very large, often an inch and a quarter long. The vines are rampant growers. 15c each, \$1.50 doz.

Raspberries

Cuthbert. An old standard variety, very large, fine flavor, ripens over a long period. 15c each, \$1.25 dozen.

St. Regis Everbearing. A new early variety, ripens throughout the season. Berries large and of best quality, strong grower. 15c each, \$1.25 doz.

Kansas Black Cap. One of the best black raspberries, vigorous and productive. 15c each, \$1.25 dozen.

The Youngberry

Said to be a cross between the Loganberry and the Dewberry. An exceptionally fine flavored very productive berry. Bears early and commands the highest market prices. The fruit colors well and is exceptionally sweet and large. Color jet black. 15c each, \$1.50 doz.

Postage on any of the above 15c per dozen

Strawberries

Carolina. A berry that has met with instant favor. A vigorous grower, with strong foliage, producing heavily, berries of large size and fine flavor. 20c doz., \$1.50 per 100.

Klondyke. A very popular berry. A vigorous grower, berries of medium size and good flavor. Recommended for shipping purposes. 20c doz., \$1.25 per 100.

Progressive. A variety that will bear over a longer period than any other. The fruit is of fine flavor and good size. 35c doz., \$2.50 per 100.

Postage on any of the above 10c per doz. extra

VEGETABLE PLANTS AND ROOTS

Artichoke

Green Globe. Artichokes are a delicious vegetable. They are easily grown in back yards, along fences, and in the vegetable garden, requiring very little care and attention after planting. The Green Globe Artichoke grows to a height of three to five feet with numerous branches and the roots should be set about 5 feet apart. Strong field divisions, 20c each, \$2.00 dozen. Postage 25c per dozen extra.

Asparagus

Argenteuil. Exceedingly popular. Stalks large and tender. Color white. 25c dozen, \$1.75 per 100.

Palmetto. Shoots are light green, tinted pink, and are very tender. 25c dozen, \$1.75 per 100.

Washington. A variety that has come to the front, grows very large and is very rust-resistant. 25c dozen, \$1.75 per 100.

Postage 10c per dozen extra

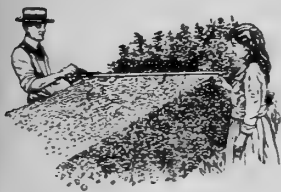
Rhubarb

Wagner's Giant. A standard variety that is well known. Grows very rapidly and is hardy in any climate. Stalks are large and have a very fine flavor. Two year old field divisions 25c each, \$2.50 dozen. One year old roots 15c each, \$1.50 dozen.

Postage 25c per dozen extra

GARDEN HARDWARE

"LITTLE WONDER" HEDGE TRIMMER



Cuts like a mowing machine.

Cuts every variety of hedge grown, 5 to 10 times as fast as by hand. Will trim a hedge to any shape and wanted, various attachments and adjustments being provided for each type.

It will cut the side of square or pivot top hedges ten feet high with the operators standing on the ground, and will do the work evenly and quickly.

For side cuts on high hedges or fancy cuts, the machine may be held in a horizontal position and operated to good advantage by two operators, one driving the mechanism and the other holding the handle. Price, 30" size \$20.00; 40" size, \$22.50, express only.

No. 102 TRIMMING SHEARS



Made by Disston. Length of blade, three inches; length over all, nine inches. The blades are riveted to handle as shown in the illustration. Price 90c. post paid.

NO. 2082-V PRUNING SHEARS



An attractive garden pruning shear, 8 inches long, fully polished blade and black handle. Price 95c each, post paid.

NO. 2062-V PRUNING SHEARS



This little shear is a duplicate of the larger California pattern, has malleable handles, hardened and tempered blades. Price 60c each, post paid.

NO. 09 GRASS SHEARS NO. 90 GRASS SHEARS



The new improved type of grass shears, hardened, tempered blades and locking latch. No. 90 is highly finished and handles japanned. No. 09 has semi-finished, jap handles and shank. Price, No. 90, \$1.25; No. 09, \$1.00 post paid.

PRUNING SHEAR UTILITY NO. 5



This Pruning Shear should be in every garden. It is adaptable to all garden pruning work shrubbery, vines and small branches. The cutting edge of blade is 3 1/4" long. Length over all, 16 1/4". It's a Disston. Price \$2.20 postpaid.

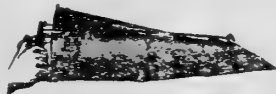
HENCKLE TOOLS



The world's famous line of pruning shears and knives. All Henckle cutlery bears the trade mark "The Twins." The tools are made of the very best material, tempered and hardened by the most experienced workmen and are guaranteed to be free from any imperfection. Professional gardeners all over the world use Henckle tools.

No. 190—7 1/2" Shear.....	\$3.00
No. 200—8 1/2" Shear.....	3.25
No. 210—9 1/2" Shear.....	3.50
No. 727-W—Combination Budding and Grafting Knife.....	2.00
No. 755-B—Budding Knife.....	2.00
No. 3-C—Pruning Knife.....	1.60
Prices postpaid.	

MASTERS RAPID PLANT SETTER



Every plant grows.

A practical tool for transplanting cabbage, tomatoes, tobacco, sweet potatoes, cauliflower, peppers, egg plant, strawberries and all similar plants.

Each plant is set, watered and covered in one operation. There is no stooping or bending over, just straight ahead easy, pleasant work. All of the hard, tedious labor of hand setting is done away with. One man will set more plants than three men can do by hand and do it better and easier. The plant setter is 6 1/2 inches wide and carries water for 125 to 150 plants at each filling. It is built of heavy black tin, reinforced with wire, and has strong steel jaws, brass fittings and will last for many years. Price \$6.25 each post paid.

NO. 30 HEDGE SHEARS



Made by Disston of the best quality steel. Prices: 6 1/2" \$1.60, 9" \$2.90, 10" \$3.25, postage extra.

E. Z. DEVIL GRASS RAKE



Removes Bermuda, Johnson and other coarse grasses from lawns. It is advisable to use the cultivator frequently during the summer months to prevent Devil Grass from rooting and matting, which excludes light and air from the soil and chokes out the blue grass and clover. Prices, express extra:

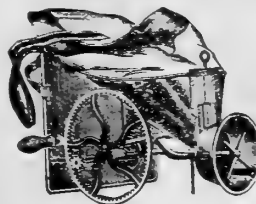
9 tooth E. Z. Rake.....	\$1.40
13 tooth E. Z. Rake.....	1.90
26 tooth Comb.....	3.25
Professional Rake and Rollers.....	3.60

THE CYCLONE SEED SOWER



May be used for sowing any seeds that can be sown broadcast; scatters the seeds evenly and throws equal amounts to equal distances on each side of the operator. It is made from solid tin with a sloping feed board which keeps the hopper properly filled without tilting the machine. Price \$3.00 each, post paid.

THE GENUINE "CAHOON"



Broadcast seed sower is dependable and durable. It is a compact, easily operated machine and guaranteed to give satisfaction in every way if used according to instructions.

The seed bag is made of heavy duck securely fastened to the hopper and holds about 22 quarts. The Cahoon sower is used for seeding Alfalfa, Alsike, Barley, Blue Grass, Buckwheat, Corn, Clover, Cow Peas, Wheat and other seeds in similar bulk and nature. Weighs 8 lbs. Price \$5.50 each, postage extra.

DISSTON PRUNING SAWS NO. 114



A pole saw, patent ground and has a cast steel blade. Price \$2.35, post paid, Pole not furnished.

NO. 53 PRUNING SAW



12" blade, price \$1.25; 14" blade, \$1.40; and Crescent folding handle, \$1.50, all postpaid.

NO. 4 PLANET JR.



The Planet Jr. No. 4 is a single implement combining a first class hill dropping seeder, a single wheel hoe or weeder, a furrower and a plow. It sows all garden seed in continuous rows with uniformity or in hills, 4, 6, 8, 12, or 24 inches apart and at the same time marks the next row. It is simple, durable, reliable and easy running.

The index indicates separately the proper adjustments of the seed sowing in hills or in rows. By removing one bolt the driller is detached and the tool frame substituted. It then becomes a single wheel hoe. It can be used for weeding, cultivating, or plowing your garden.

The seed hopper of the No. 4 Planet Jr. holds 2 1/2 quarts of seeds. The equipment is as follows:

- 1 Pr. of 6" hoes
- 3 cultivator teeth
- 1 garden plow
- 1 leaf guard
- 1 marker

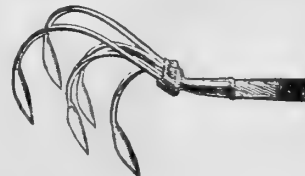
Price \$19.25. Freight or express only.

NO. 17 PLANET JR.



A single wheel hoe and will do practically all work around the average garden. The three sets of attachments which go with this tool are the finest of their kind. You can do more and better work with it in one day than you can do in several days with the old fashion hand hoe. It is equipped with one pair of 6" hoes, 3 steel cultivator teeth and one large garden plow. Price \$8.25 each. Freight or express only.

NORCROSS CULTIVATOR



Every garden needs a Norcross. This tool is so much more efficient than a hoe, is far ahead of the average weeder and such a thoroughly good cultivator that it does the work of all three tools. In fact, you can do three times the work in a given period of time with it than you can do with a hoe—do it easier, and get better results. The Norcross is made in three sizes:

No. 55 has five prongs, a 4 ft. high grade ash handle. Price \$6.35, postage extra.

No. 33 has three prongs, a 4 ft. high grade maple handle, is a lighter weight than No. 55, and is especially suited for women and children. Price 95c, postage extra.

No. 11 Midget, extra light, weighs only 12 ounces, has a 9" hard wood handle, and is for close cultivation in gardens and for flower beds. Price 65c each, post paid.

LAWN MOWERS ~ SPRINKLERS



HAWES ALL-IN-ONE SPRINKLER

A sprinkler system without the big expense of piping your whole place. You simply use a set of the Hawes All-in-One Sprinkler to a 50 ft. length of 3/4" hose. Each sprinkler is equipped

with a full circle spray, 1/2 circle spray and complete shut-off. Set of four complete with hose-clamps and expansion plug \$3.50 per set, post paid.

Extra Sprinklers\$0.75 each
Extra Clamps05 each
Extra End Caps25 each

ROSS FAN SPRINKLER NO. 10



Throws a large amount of water in a gentle fan-shaped spray, without force, descending like rain. It does not wash the soil into furrows, consequently is desirable for sprinkling new lawns and flower beds. Made entirely of brass. Price 75c, postpaid.

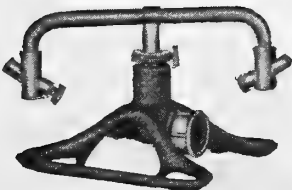
ROSS IMPROVED SPRINKLER NO. 20



Will expel more water and distribute it more equally, regardless of pressure, than any other sprinkler. Luther Burbank has said "The Ross sprinkler is, in my opinion, the best hand sprinkler so far produced." Price 75c, post paid.

BROWN'S
Adjustable and Variable

Whirling Showers LAWN SPRINKLER



A variable and adjustable revolving lawn sprinkler. By using a fine adjustment of the nozzles and directing the nozzles themselves in the proper direction a light floating mist for watering seed beds, golf greens, etc., is obtained. By opening the nozzles and directing them at a different angle the sprinkler covers a circle of over 70 feet in diameter. Price \$3.00 each, post paid.

NO. 75 FOUNTAIN SPRINKLER



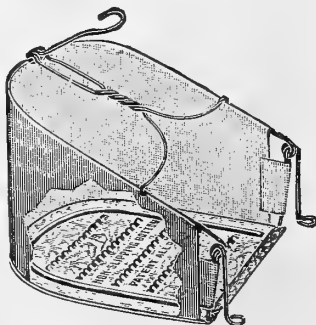
Delivers a fine spray over a large area. It operates satisfactory with either high or low pressure. It throws a fountain jet to the center. Price 45c each, post paid.

NO. 135 FAN SPRINKLER



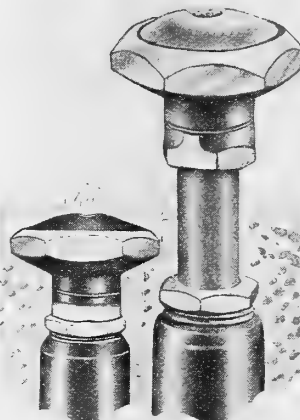
An improved Fan Sprinkler, has a 4" spike which prevents it from turning over. It is especially fine for park way strips. Price 35c, post paid.

E.Z. EMPTY GRASS CATCHER



The E. Z. Empty grass catcher has a galvanized sheet steel bottom, round back, heavy duck sides. The canvas sides are firmly fastened to the bottom by three folds of sheet steel. This protects against any possibility of the canvas ever ripping along the bottom edge. No. 5-G for 12" to 18" Mowers \$1.25
No. 6-G for 18" to 21" Mowers \$1.50
Express collect.

POPUK LAWN SHOWERS



Out of sight when not in use. Turn the water off and it sinks below the surface of the ground again, entirely out of sight. The Pop-up is simple to use, gives a rainlike shower and is easily regulated for any area. Made of durable brass, thus insuring many years of service. Both full and half circle sprays, price \$1.00 each.

NO. 70 TWIN SPRINKLER



A standard sprinkler which covers a large area with a fine spray and is operated with either high or low water pressure. Price 40c, post paid.

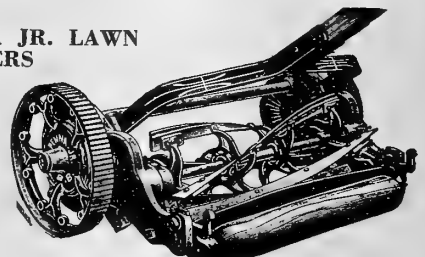
CRESCENT FOUNTAIN SPRINKLER



A ring sprinkler that throws all the water to the front and sides. It can be moved without one getting wet. It is made of heavy gauge brass and weighs about one pound. The Crescent Sprinkler is ideal for sprinkling parkways and other narrow strips. Price 90c each, post paid.

PENNSYLVANIA JR. LAWN MOWERS

The perfection of lawn mower construction. They are operated by a chain of gears on both sides of the machine. The cylinder contains five tempered crucible steel blades. The lower knife also



crucible steel is the raised edge pattern, and is positively self-sharpening. It is fitted with the patented STAYTITE Handle with adjustable steel clamps to take up any possible shrinkage.

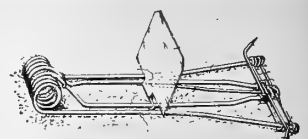
The 12", 14", 16" and 18" machines have an 8" drive wheel, and the 15", 17", 19" and 21" machines have a 10" drive wheel.

CALIFORNIA GOPHER TRAP NO. 44



The most popular wood box trap on the market. It is well constructed with a heavy copper steel wire catch, loop, spring and trigger. Size 3x3 1/2 x 6 1/4, easily set. Price 35c each, post paid.

MACABEE GOPHER TRAPS



Very popular traps, successful in catching both large and small gophers. It is made of spring steel wire with a flat steel trigger and is set very easily. Price 30c each, post paid.

NEVER-FAIL GOPHER GUN



It is very easy to kill gophers and moles with the Never-Fail Gopher Gun. You simply load the gun with a 38 BLANK cartridge and set in the gopher hole, leaving the hole open; within a few minutes the gopher will attempt to close the hole setting off the gun, and will be killed by the concussion.

For moles, dig down to the main tunnel and set the gun the same way, the gun is made entirely of brass and is set by simply pulling back trigger "F" as illustrated below.



Price \$2.00 each, post paid. Cartridges, 1 doz. 30c; box, 50, \$1.00. Express only.

	Weight, Lbs.	Price
Penn. Jr. 12" Mower.....	42	\$18.00
Penn. Jr. 14" Mower.....	44	20.00
Penn. Jr. 16" Mower.....	46	22.00
Penn. Jr. 18" Mower.....	48	24.00
Penn. Jr. 15" Mower.....	49	25.00
Penn. Jr. 17" Mower.....	49	28.00
Penn. Jr. 19" Mower.....	51	31.00
Penn. Jr. 21" Mower.....	53	35.00

Sent express collect.

SPRAY PUMPS

AUTO SPRAY NO. 50



We highly recommend the Auto Spray No. 50 to our patrons. It is extremely desirable for use in spraying agricultural insecticides, disinfectants and where the spraying is not extensive, and is especially adapted for use by women or persons physically unable to carry a great weight. Tank is constructed of heavy sheet brass or strong copper bearing galvanized sheet steel. Pump cylinder is of one piece seamless brass tubing. This Sprayer has the screw lock and drain-dry features found in the Auto Spray No. 9. Capacity, 2½ gallons. Auto Spray No. 50B, Brass Tank, Priced at.....\$6.75 Auto Spray No. 50D, Galv. Tank, Priced at.....4.75

DUSTER BROWN NO. 1



Duster Brown No. 1 is an excellent duster of small capacity of use in the garden, for spraying roach powder, etc. It has a large powerful pump 12" in length, 1¾" in diameter. The mixing chamber and powder container is 1¾" diameter, 4" long, and is equipped with combination screen and extension nozzle, which diffuses the particles of dust. Duster Brown No. 1 packed in units of 2 dozen in strong corrugated carton. Shipping weight per unit of 2 dozen 16 lbs. Price, 65c, post paid.

BROWN'S DUSTER NO. 2-C

A handy duster of one quart capacity. Can be used for all around garden work such as dusting vegetables, rose bushes or small trees. It throws a large volume of dust with each stroke. The extension enables one to dust the underside of the leaves while standing, diffusing the dust well, thus insuring thorough coverage. Length over all 19¾ inches, weight about one pound. Price \$1.50 each, post-paid.



CALISPRAY PUFFER

Most powerful dust puffer built.

Made of metal with heavy bellows.

Will last for a long time.

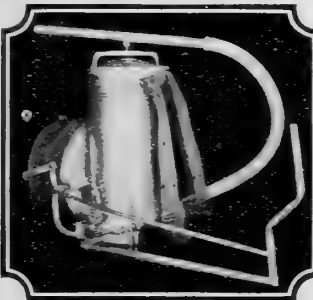
Ideal for applying Flea, Fly, Moth, or Insect powders. Easy to fill. Holds two ounces. Throws cloud four to six feet. Weighs ½ pound ready to mail. Price only 30 cents, post paid.

AUTO SPRAY NO. 9



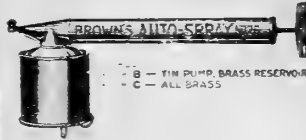
The Auto Spray No. 9 is a durable well-built machine. This Sprayer, due to its ease of operation, is one of the most popular large compressed air sprayers on the market. Tank is constructed of heavy sheet brass or strong copper bearing galvanized steel sheet. Pump cylinder is one piece seamless brass tube. The features of this Sprayer are the screw lock, drain dry, Non-Clog spray nozzle. This Sprayer can be used for spraying trees, shrubs, gardens, chicken houses, etc. Capacity—four gallons. Auto-Spray No. 9-B Brass Tank, priced at.....\$9.75 Auto Spray No. 9-D Galv. Tank, priced at.....6.50

AMERICAN BEAUTY DUSTER



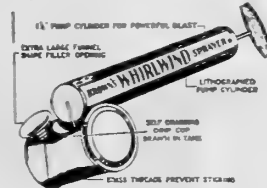
The world's finest one man duster. The only force feed duster built. Feed is instantly adjustable. Built of the best materials. Gears and rocker arms of steel. Bearings of brass. All parts interchangeable and can be shipped by parcel post. Equipped with hose, two lengths of tubing for tall trees and spoon for ground work. Weight 17½ pounds, ready to ship. Price \$18.00 f.o.b. Los Angeles.

AUTO SPRAY NO. 26



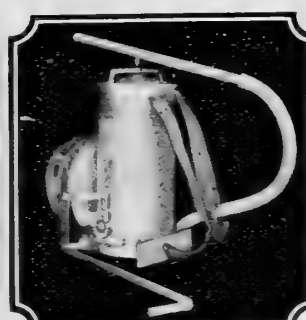
We recommend this Sprayer to our patrons for use in the household, garden and greenhouse. It is used for spraying insecticides, disinfectants and cattle dip spray. No. 26-B with tin pump cylinder and brass container; No. 26-C, entirely of brass. The brass sprayer is the most highly recommended because of its superior construction and rustproofing qualities. Auto Spray No. 26-B, Tin cylinder, brass container.....\$1.35 Auto Spray No. 26-C, Brass cylinder, brass container.....1.50

BROWN'S WHIRLWIND



Brown's Whirlwind is a strong, well built single acting atomizer, made of heavy lithographed tin. The brass filler thread feature of this Sprayer eliminates the corrosion in screw cap which makes this type of sprayer undesirable. Capacity, 1 quart. 50c each, post paid.

CALIFORNIA BEAUTY DUSTER



Just the thing for small truck farm acreages. Holds twelve pounds dust. Throws cloud twelve feet. Weighs 9½ pounds. Feed instantly adjustable. Equipped with hose, tubing and spoon to reach the under side of leaves on the ground without stooping. Only \$12.00, F. O. B. Los Angeles. Weight, 12½ pounds, ready to ship.

BROWN'S AUTO-SPRAY NO. 30-D

Auto-Spray No. 30-D is an efficient, durable wheelbarrow sprayer. This sprayer can be used for almost any purpose. The Auto-Spray No. 30 has ample pressure for applying either 1 or 2 nozzles.

SPECIFICATIONS AND CONSTRUCTION

The pump cylinder is of seamless brass tubing. Valves and bottom casting solid brass. Air chamber steel tubing. Equipped with 6 feet of ¾" high pressure hose, 16" wheel truck with 1½" tire. We furnish with this sprayer a 2 ft. iron extension.

Auto-Spray No. 30 is shipped knocked down. Shipping weight 46 lbs.



Style Numbers

Auto-Spray No. 30-D galvanized tank and truck, \$11.50 each.

Deming Bucket Pumps No. 669 and 689



These are two of the best known and strongest bucket pumps made. Easy working, powerful pumps, which with reasonable care will last a lifetime. Suitable for spraying small trees, flower and vegetable gardens; for applying whitewash and disinfectant; cattle fly oil, stock dip, etc. All parts are brass except the malleable handle and steel foot rest. These pumps have double air chamber consisting of cast brass air chamber, and seamless brass, hollow plunger tube, which gives unusually steady discharge pressure.

Number 669 is equipped with 3 feet of high-pressure hose, Acme nozzle which throws a fine spray. Price \$5.00 each, post paid.

Number 689 has four feet of hose and Bordeaux nozzle, which is the best general purpose spray nozzle ever produced. It throws a solid stream, coarse, long distance spray or a fine mist. It is an excellent nozzle also for whitewashing. Bucket not furnished. Price \$8.00 each, post paid.

HUDSON PERFECTION SPRAYER



For work of any kind requiring high pressure. It is very practical in the garden, orchard, poultry house, in the home for removing wall paper, etc. 4 gal. capacity, 12" extension rod on 2 ft. ¾" hose, automatic nozzle.

No. 110-G—4 gal. Galvanized Tank, each.....\$6.50 No. 140-G—2½ gal. Galvanized Tank, each.....4.75 No. 140-B—2½ gal. Brass Tank, each.....6.75

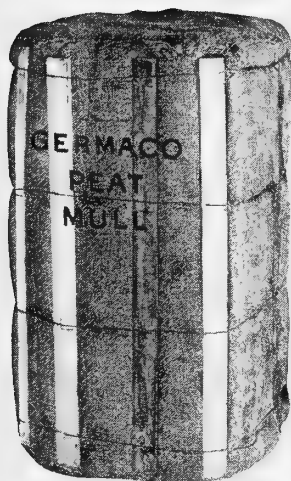
AUTO SPRAY NO. 5



The Auto Spray No. 5 is a double acting high-pressure Sprayer, generally acknowledged to be the most powerful Sprayer of its type, which easily generates a pressure of over 200 pounds with very little effort. Price \$5.00 each, post paid.

NURSERY SUPPLIES

GERMACO PEAT MULL



like soil formed years ago by the growth and natural decay of plant life. It is free from fungus and weed seeds. Peat Moss will absorb about fifteen times its own weight in water, thus assuring a supply of moisture about the roots of plants at all times. GERMACO PEAT MULL (Moss) not only lightens heavy clay and makes adobe soil possible to work but also binds and holds moisture in light sandy soil. In other words, it is an ideal mulching material and keeps the soil mellow.

GERMACO PEAT MULL is clean, odorless, pleasant to use and not unsightly on the lawn or garden. It is a light brown in color, giving the effect of a fine well-cultivated soil. It is very economical to use, too, as one bale weighing between 140 and 160 lbs., depending on the moisture, contains from 20 to 22 bushels of loose Peat Mull.

GERMACO PEAT MULL is especially valuable for making a new lawn as it keeps the surface of the soil moist and makes it possible to obtain a dense, smooth turf in a shorter time than any other known method.

GERMACO PEAT MULL is a fine granulated Peat Moss and is used very extensively by the commercial flower growers in truck gardens to improve garden soils. It is in reality a sponge-

EVERY HOME NEEDS THIS NEW GARDENING AID!

Spreads Vigoro and seed evenly and accurately. Saves time and labor. Ideal for sowing on windy days. Designed for use on newly prepared soils if well firmed. Costs no more than a good garden spade. Sturdily constructed. Weight 6 lbs. Has 14-inch spread. \$2.35 plus postage.



LITTLE VIGORO SPREADER



Now You Can Grow Lawns

...Gardens, Trees, Shrubs
Successfully with VIGORO...
the Complete Plant Food.

It contains all the plant food elements needed to produce early, vigorous growth and bring fruit, flowers, and foliage to full development.

Vigoro is inexpensive—only 10c to 20c for every 100 square feet (10x10). It is clean, odorless, and easy to apply. Full instructions with every bag.

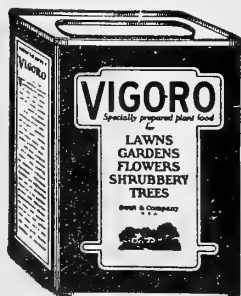
Table of Applications

Use these quantities in spring and fall; one half as much for summer applications. Allowance has been made for space occupied by house, walks, etc.

Size of Lot	Amount
30 x 125 ft.....	50 lbs.
40 x 125 ft.....	75 lbs.
50 x 125 ft.....	125 lbs.

Prices

100-lb. Bag.....\$6.00	25-lb. bag.....\$2.00
50-lb. Bag..... 3.75	5-lb. Can..... .60



VIGORO
Specially prepared plant food

GERMACO GRAFTING WAX

GERMACO GRAFTING WAX is used cold and stays in a workable condition for three years. The purest Beeswax, with several other ingredients is used in its manufacture. By using a grafting wax cold, there is no danger of over heating the delicate cambiums when sealing the graft. Still Germaco Grafting Wax seals the scion so that it is impossible for air or moisture to penetrate into the inner cambium. This is also necessary to keep the Sap Flow in.

GERMACO GRAFTING WAX is used extensively on the large Avacado and other sub-tropical fruits in the Southern part of California. It is also used on a large scale by nurseries. Prices: ¼ lb., 25c; ½ lb., 40c; 1 lb., 75c postpaid.

GERMACO BUDDING CLOTH

GERMACO BUDDING CLOTH is made of an excellent quality of bleached muslin thoroughly saturated with pure Beeswax and other ingredients. When tied correctly, this Budding Cloth will not allow the bud stock to loosen as it does not rot or stretch. It is so made that a simple twist holds the tie but the twist allows the tie to loosen by degrees to conform with the pressure caused by the natural growth of the tree. One square yard will tie about 120 Buds. Price: ½ square yard, 40c; 1 square yard, 75c postpaid.

SPHAGNUM MOSS

Large quantities of Sphagnum Moss are used by Asparagus growers and nurserymen for shipping their products. It holds the moisture for considerable length of time. Large Bale, burlapped, weight from 20 to 25 lbs., depending on the moisture content, \$2.50 per bale. Sent express or freight collect.



EASY WAY TO GROW BEAUTIFUL PLANTS

Plant one of the Plantabbs in each pot about every two weeks and you'll have the finest flowers you ever grew.

Plantabbs are small, clean, quickly dissolving tablets without odor. Highly concentrated form of nitrogen, ammonia, phosphoric acid and potash in proper balance. Especially good inside where smelly fertilizer cannot be used, but equally effective on roses and other garden flowers.

Everyone who tries Fulton's Plantabbs praises them.

30 Tablets 25c; 75 Tablets 50c
200 Tablets \$1.00
1000 Tablets \$3.50

FULTON'S
PLANTABBS
ODORLESS PLANT FOOD TABLETS

GREEN MOSS

A green colored moss which is ideal for using in wire hanging baskets, etc. Per lb., 35c postpaid; per bale, from 50 to 60 lbs., \$5.00 each, sent express or freight collect.

INOCULATE all Legumes with

The Original Legume Inoculator

NOBBE-HILTNER PROCESS

NITRAGIN

TRADE MARK REG'D. DEC. 5, 1898 NO. 32212

Restores and Maintains Soil Fertility

All legumes—plants that bear their seed in pods—like peas, beans, alfalfa, form a partnership at the roots with certain kinds of heatful bacteria called legume germs, that are able to draw nitrogen from the air and give it to the plant. They form on the roots in colonies looking like lumps, called nodules, which are really nitrogen storehouses.

Without these germs, legumes would rob the soil for nourishment and have a sickly growth, for few soils contain a natural supply. It is therefore necessary to "inoculate"—apply these nitrogen-gathering germs directly to the seed. All agricultural authorities advise inoculation of legumes. Every 1 bu. size can of Nitragin is packed with more than seven billion legume germs. Use Nitragin on your legume crop this year, therefore maintaining and restoring your soil fertility. Nitragin is especially helpful to Sweet Peas and, we advise your using it when planting. It is inexpensive. The Garden Size Nitragin which inoculates from 1 oz. to 8 lbs. of Sweet Pea Seed, 25c postpaid. Other Nitragin prices:



NITRAGIN
on
ALFALFA
The wonder-
ful nodules enrich
the soil and
insure a big
crop.

ALFALFA, ALL CLOVERS, VETCH, PEAS, BEANS

Size	Inoculates	Price
¼ bu.	15 lbs. seed.....	\$.40
½ bu.	30 lbs. seed.....	.60
1 bu.	60 lbs. seed.....	1.00
5 bu.	300 lb. seed.....	4.75

Special Prices on Soy Beans and Cow Peas

(Note sizes carefully—not packed in smaller sizes.)

1 bu.	60 lbs. seed.....	\$.40
2 bu.	120 lbs. seed.....	.70
5 bu.	300 lbs. seed.....	1.50
10 bu.	600 lbs. seed.....	2.50

IMPORTANT: When ordering NITRAGIN, always be sure to state kind of legumes seed you wish to inoculate.



GRAVES ELECTRIC INCUBATORS and BROODERS

Model No. 125



(Gross capacity 135 eggs.)

Dimensions, without legs, 23 1/2" x 36" x 17". Average electric consumption 35 K. W. per hatch. Weight, crated, 110 lbs. Price, \$32.50

This wonderful little hatching machine is just the thing for people who want just a few chicks coming off at a time. It will hatch close to a hundred fine, healthy chicks every hatch. For turkey raisers, this machine is unequalled by any other incubator made. Many people have reported hatching every egg put in the incubator, fine, big turkeys of best "Quality." Fine also for wild ducks, guineas, pheasants, or other birds.

We have been selling Graves Electric Incubators and Brooders for the last six years, and we have not had a single complaint from customers who have had trouble with their machines on account of the electric power going off.

MODEL NO. 250. Capacity, 270 eggs; dimensions, without legs, 41 1/2" x 36" x 17"; average electricity consumption, 40 K. W. per hatch; weight crated, 140 lbs. Price \$45.00.

MODEL NO. 500. Capacity, 540 eggs; dimensions, without legs, 76 1/2" x 36" x 17"; average electricity consumption 50 K.W. per hatch; weight, 255 lbs. Price \$67.50.

CARBOLA

Is a disinfectant white paint in powder form and fills the demand for inexpensive and reliable disinfectant and paint, having none of the objectionable qualities of whitewash.

Carbola is made by combining a finely powdered pigment with a disinfectant 20 times stronger than carbolic acid. It is neither poisonous nor baustic—harmless to the smallest chick or to stock that licks a painted surface; but it kills lice, mites, fly eggs, etc., and helps prevent the start and spread of contagious diseases that effect poultry and livestock.

For unpainted surfaces use 2 pounds of Carbola to 1 gallon of water, which is sufficient to cover 200 square feet of space. It can be applied with brush or a spray pump to wood, brick, stone, cement, plasterboard, tar paper, etc., or over whitewash. It will not clog the sprayer, has no disagreeable odor, and will not flake or scale off. It is put up in the following sizes:

5 lb. size	\$.75
10 lb. size	1.25
50 lb. size	5.00

Postage Extra

Special Models



Made in two numbers.

NO. 125—(Gross capacity 135 eggs.)

Shipping weight 60 lbs.

No. 250—(Gross capacity 270 eggs.)

Shipping weight 85 lbs.

The special models have the same efficient heating and regulating system as the standard models.

Being more simple of construction, lighter in weight, and having the advantage of quick assembly, a large volume of production on these models has made possible price reductions until no lower-cost incubators can be made.

Regardless of the kind of incubator you wish to compare, you will find none to compare with these wonderful values within many dollars of the price.

Characteristics of these models do not lend their style to be available in larger capacities. It is only in these two models it has been possible to build such remarkable value for such low price.

Note the low prices on the price list, realize that you cannot get equal satisfaction in any other kind within many dollars of the price, and the real value of these incubators will be apparent.

Prices:

No. 125. Special, each	\$19.75
No. 250. Special, each	30.00

MITE PROOF YOUR POULTRY HOUSE

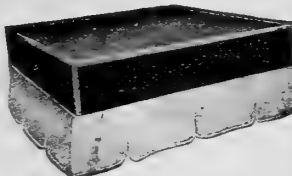
A single application of AVENARIUS CARBOLINEUM is sufficient to destroy and eradicate mites from your poultry house for a whole year. Mites are the poultryman's worst enemy. They only infest the birds at night, leaving in the morning to spend the day in cracks and crevices of the house. These pests are genuine blood suckers. They bother the poultry all during the night when the birds are on the roost. This, naturally, cuts down the vitality and productiveness of the flock.

Paint the inside of the poultry house with AVENARIUS CARBOLINEUM after a previous cleaning, no matter whether it consists of wood, tar paper, etc., this will exterminate the mites for a whole year.

AVENARIUS CARBOLINEUM is perhaps the best of Wood Preservers. It can be used on fence posts, telegraph poles or, in fact, any wood that comes in contact with the soil. For this reason it is advisable to also paint the outside of the house and shingles. It prevents warping and cracking.

When trimmed with white, a house painted with AVENARIUS CARBOLINEUM is very attractive. It dries a nut brown color. Prices: 1 Quart, 65c; 1 Gal., \$2.00; 5 Gals., \$9.00. Sent Express Collect.

No. 125—Special Brooder



This special model electric brooder, as shown, is the best value ever put into a brooder. It uses the same regulating and heating system as standard brooders. It is 30 inches square, allowing more than seven (7) square inches each for 125 chicks. It is fire-proof, durable, and is the lowest priced, heated brooder of any kind or make. Notice the low price—you cannot afford to bother with hens, with one of these brooders.

Price, \$12.75 each.

SOL-HOT BROODER



Brooder complete.

Sol-Hot's wonderful success is your gain.

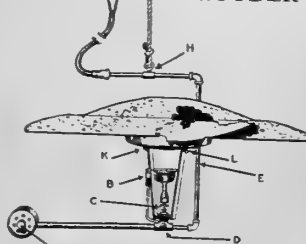
Baby Sol-Hot Brooder, with 20-in. canopy, capacity 100 chicks, shipping weight 25 lbs., 1 gal. oil capacity, \$11.50.

Standard Sol-Hot Brooder with 34 in. canopy, capacity 250 to 300 chicks, shipping weight 39 lbs., 2 gal. oil capacity, \$16.00.

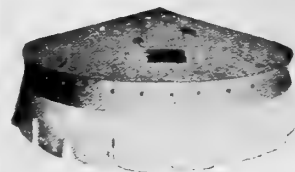
Standard Sol-Hot Brooder with 44 in. canopy, capacity 500 chicks, shipping weight 50 lbs., 2 gal. oil capacity, \$17.00.

Standard Sol-Hot Brooder with 54 in. canopy, capacity 1,000 chicks, shipping weight 61 lbs., 2 gal. oil capacity, \$20.00.

THE HART GAS BROODER



Equipped with the famous Hart Thermostat and the Hart high-powered blue flame gas burner. This Gas Brooder was designed especially for the large poultry ranches where efficiency combined with low cost of operation is essential. It will work with artificial, natural or rock-gas. The hover is 36" in diameter and we recommend it for the use of 500 chicks. Many, however, are hovering 750 chicks with it. Price, \$12.75 each. Jr. Thermostat alone, \$5.00 each. Hart Gas thermostat alone, \$7.50 each.



SPECIFICATIONS (STANDARD)

No. 500-B. Diameter—66 inches.

(Providing seven (7) inches for floor space for 500 chicks, or up to thirty-five square inches for 100 chicks.)

Weight, uncrated, ready for use—135 pounds.

Average power consumption, while operating continuously at 100 degrees—200 watts per hour.

Average cost of operation during six week's brooding period at power cost of 3c per K. W., with attention given to temperature reduction and growth of chicks—\$2.25.

No. 350. Diameter—54 inches.

(Same area per chick for 350 chicks.)

Weight, uncrated, ready for use—105 pounds.

Average power consumption, as above—150 watts per hour.

No. 200. Diameter—42 inches.

(Same area per chick for 200 chicks.)

Weight, uncrated, ready for use—60 pounds.

Average power consumption as above—125 watts per hour.

No. 100—Diameter—30 inches.

(Same area per chick for 100 chicks.) Weight, uncrated, ready for use—40 pounds.

Average power consumption, as above—100 watts per hour.

Prices

No. 100-B, each	\$18.00
No. 200-B, each	25.00
No. 350-B, each	30.00
No. 500-B, each	35.00

The Western Poultry Book

By MRS. A. BASLEY

The chicken business from first to last. The Western Poultry Book should be in the hands of every poultryman whether he is a beginner or one of many years' experience.

Mrs. Basley has spent her whole life studying fowl of all kinds. For many years, she has been lecturer of the Farmers Institutes in the extension courses of the University of California and for four years instructor in poultry husbandry at the Poultry School of the University of California. Editor or Associate Editor of four agricultural magazines and some newspapers on the Pacific Coast.

Many questions have, during this time, been propounded to her relating to the poultry business, its difficulties, the troubles of poultry raisers and ailments of fowls. Many of these questions are found in the Western Poultry Book with the answers to them; also remedies for the diseases of fowl in this climate.

There are chapters on poultry houses, incubation, care of chicks, turkeys and how to raise them, ducks and their varieties, geese, pheasants, guinea fowl, bantams, canaries and many Basley food formulae. In fact, the Western Poultry Book covers practically everything of interest to the Pacific Coast poultrymen. Price, \$1.00 postpaid.

POULTRY SUPPLIES

BEUOY CAPONIZING SET



Capons have become an established and recognized part of the poultry market, the same as eggs, chickens, turkeys and other live poultry.

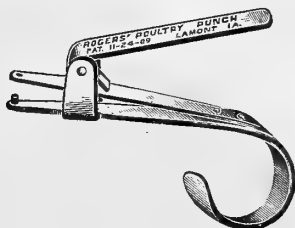
Generally about one-half of all birds hatched will be young roosters. By caponizing them you will be able to realize a very nice income on them, and does away with the necessity of getting rid of your surplus roosters for a low price. We have sold the Beuoy Caponizing Sets for a great many years and we can recommend them to you very highly. Price, each \$4.50, with bow, \$5.50. Tripod table \$3.00 each, post paid.

THE SEARCHLIGHT EGG TESTER



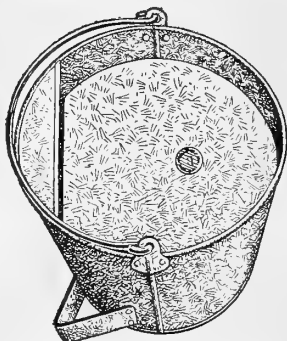
This is a practical egg tester. It is moved over the egg instead of the egg over the tester, thereby not only saving the handling of all eggs, but the light penetrates at the top where the germ rests and makes this tester very effective at the early stage of incubation. It clearly illuminates the entire contents of the egg and does not injure the germ, even if held in close contact. It is possible to test 50 eggs a minute with a little practice and is operated directly from light circuit. Price \$5.00 each, post paid.

ROGERS POULTRY PUNCH



This punch has proven to be the IDEAL one to toe-mark chicks. You MUST have a permanent mark on each fowl in order to breed intelligently and farmers should toe-mark every chick. This enables them to keep the old hens sold off, as you know then what year they were hatched in. The MONEY-BACK is used extensively by our best fanciers and by many State Agricultural Colleges. It works easily, is handy and you can see what you are doing. It is GUARANTEED to be satisfactory to you or can be returned for adjustment or your money back. Sixteen different markings can be used—all you do is press the lever and "Presto" there is a clean cut hole that won't grow up and is there permanently. Price 40c each, postpaid.

BUCKET FOUNTAIN



Made of heavy galvanized sheet steel, 1 gal. capacity. It is shaped like an ordinary water pail, having a heavy galvanized bulkhead, which when the fount is placed ready for use only allows a certain amount of water to be available for chickens. This fount is particularly adaptable to poultrymen having a fairly large flock of poultry and do not have running water. \$2.65 post paid.

STAR FOUNTAIN



Convenient and practical. Fits any Mason Fruit Jar. It is of heavy rust resisting metal, no seams, no solder, no parts to lose and is very handy for Baby Chicks. Price 15c each, post paid.

HAWES AUTOMATIC VALVE COMBINATION

Hawes Automatic Water Valve



A combined automatic valve and individual shut-off. The automatic valve, complete in a screw cage is as easily removed for cleaning or replacement as a tire valve. The needle valve may be adjusted to reduce the water pressure or used as a shut-off, to avoid disturbing the rest of the line.

Adjusted to drip, fowls, need never be without water should automatic become obstructed. Made entirely of copper and brass, nothing to rust or wear out. Price \$1.35 each.

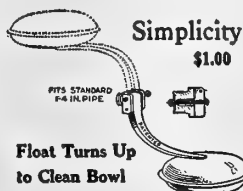
WATER TROUGHS



Triple coated porcelain enamel, for use with both simplicity and combination automatic water founts. Can also be used as a buttermilk feeder. This trough is made of one piece of heavy rust resisting steel, triple coated inside and double coated outside with porcelain enamel, white with blue edges. Length 36", capacity 5 qts. Price \$2.90 each, post paid.

SIMPLICITY

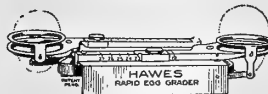
\$1.00



The name is from the remark invariably made when the valve is first seen, "How Simple" and in use it is as satisfactory as it is simple. It is very popular with large ranches, using one shut-off for a whole line of valves.

Several large poultry ranches are each using over 100 of these valves with entire satisfaction. Once installed, your expense is over as valve will give years of satisfactory service.

HAWES RAPID EGG GRADER



Two complete scales in one handy unit, with nothing to shift, gives the utmost rapidity in grading.

Grades pewee from pullet and pullet from standard eggs, accurately in any position, on account of the equalizer.

The four knife edge bearings give great accuracy. One end selects pewee from pullet and the other end pullet from standard.

Each side of the scale can be adjusted with the sliding weight on the bar, to weight by ounces from 19 oz. to 27 oz. per dozen. There are no loose weights to mislay or lose.

After setting each side to weigh the grades wanted, there is nothing to do but test the eggs on either end of the scale. Any other grades can be had instantly by sliding the weight to the figure wanted.

Handsomely made of solid copper on a rust proof base. It is very compactly built so that it can be placed in the handiest position for rapid work. Can be fastened in a permanent place if desired with screws down through the holes in the base.

Price \$2.50 each, postpaid.

McCANDISH CHICK FEEDER



Ideal for feeding baby chicks. It is equipped with a special roll top cross bar which does not allow chicks to set on the feeder, made of heavy galvanized iron. 20 inch, 55c each post paid, 30 inch, 85c each post paid.

ECONOMY DOUBLE NUMBERED PIGEON BANDS



These bands are made from the highest grade of clear colored celluloid with large black figures on a white background, protected by a thick transparent color of clear celluloid. It will stand the wear and tear of long continued use. Furnished in the colors, Pink, Black, Green, Blue, Yellow, Red and White.

Price—Postpaid

50 Bands (25 pr.)	\$.75
100 Bands (50 pr.)	1.50
200 Bands (100 pr.)	3.00

BANDETTES — CELLULOID FLAT LEG BANDS



Bevel ended with spring clip pattern, giving the band a neat jointless appearance, leaving nothing unprotected, the inside being smooth the legband cannot hurt the bird. Five colors, blue, red, yellow, green and pink. Two sizes, No. 9 for Leghorns and No. 11 for American size birds. Furnished in sets—1 to 25, 1 to 50 and 1 to 100. Price \$2.00 per 100 bands, post paid.

SPIRALETS



The poultryman's standard leg band used universally by all poultrymen to identify age, etc., of the birds, using one color for birds hatched in January, another color for those hatched in February, etc. They are furnished in the following colors: White, Dark Blue, Green, Yellow, Black, Ruby, Light Blue, Red and Pink.

The number of band shows the size in 1/16 of an inch.

	Per 100	Per 1000
No. 4—Chick size	\$0.35	\$2.60
No. 5—Pigeon size	.40	2.80
No. 6—Growing Chick		
Size	.40	3.25
No. 7—Bantam Size	.50	3.50
No. 9—Leghorn Size	.60	3.75
No. 11—American Size	.65	4.50
No. 12—Asiatic Size	.70	4.75
No. 14—Turkey Size	.75	6.50

NOPCO COD LIVER OIL

All poultrymen realize the value of Cod Liver Oil in poultry feed. Nopco Cod Liver Oil Fortified in Vitamin D potency is pure, unadulterated Cod Liver Oil.

The day has passed when Cod Liver Oil will be purchased at a certain price per gallon. The economical way to buy Cod Liver Oil is on the basis of results and cost per 100 lbs. of finished feed.

Nopco Cod Liver Oil will give you superior results at the lowest possible costs. It

1. Increases Egg Production
2. Eliminates Soft Shelled Eggs.
3. Helps to Eliminate Blood Spots
4. Improves Hatchability
5. Produces Stronger Chicks
6. Builds Rugged Bone Structures
7. Promotes Growth
8. Reduces Mortality
9. Gives a Better Mould
10. Conditions and Protects against Disease

Prices: 1-Qt. Size, 75c each; 2-Qt. Size, \$1.40; 1-Gal. Size, \$2.50, postage extra.

POULTRY AND FARM SUPPLIES



Cel-O-Glass

For Poultry House
or Barn Windows,
Screen Porches, etc.

You can put a stop to broken windows once and for all by replacing your expensive, fragile glass sash with larger lights made of unbreakable Cel-O-Glass.

Cel-O-Glass is a light-weight, flexible, weatherproof material made by coating wire mesh with a transparent substance which will not rub off or dry up. It can be cut or bent to any desired shape and is practically indestructible.

Cel-O-Glass will shed the heaviest rains. It is unaffected by extreme cold, and will stand over 400 degrees Fahrenheit, and will not rust.

In addition to furnishing protection for your poultry or screen porch, Cel-O-Glass lets through the valuable, stimulating and health-giving Ultra-Violet rays of the sun. Glass absorbs the Ultra-Violet rays and keeps them out.

By using Cel-O-Glass for your poultry houses and scratch pens, your chickens will lay better and grow faster, due to the invigorating effects of the Ultra-Violet rays which Cel-O-Glass actually feeds in.

Cel-O-Glass comes in rolls one yard

wide and may be obtained at any length up to 100 feet (300 sq. ft.).

A hammer and a box of ordinary galvanized staples or tacks are the only tools necessary to put up Cel-O-Glass anywhere. You can cut it with an ordinary pair of scissors and then tack it on as you would mosquito netting. You do not need any putty or galvanized points. Prices: 1 sq. ft., 20c per sq. ft.; 30 sq. ft., 19c per sq. ft.; 75 sq. ft., 18c per sq. ft.; 150 sq. ft., 17c per sq. ft.; 1 Roll, 300 sq. ft. (100x3), per sq. ft., 15½c, postage extra.



CHICKEN-POX— SOREHEAD

Chicken Pox attacks principally chickens and Pigeons. It is very contagious. The symptoms are Brown and Scabby warts on the comb, lobes and face.

Isolate all affected birds and apply Conkey's Salvo daily to the affected parts. Price, 30c, postpaid.

ROUP

Roup is probably the most common of contagious diseases affecting fowls. Symptoms are, nostrils closed, running at the nose, face swollen, eyes watery.

Treatment: Remove all sick birds and disinfect the house immediately. Bathe the affected parts with a solution of Conkey's Old Reliable Powder. Keep this in the drinking water. Price: 1 oz., 30c; 2½ ozs., 60c; 7 ozs., \$1.20.

BOWEL TROUBLE

Little chickens are particularly susceptible to bowel trouble. Symptoms: Chicks huddle together. They are listless and stand or sit with eyes closed. Wings droop or hang limply from the body and the chick may chirp almost continually. Droppings become white and creamy or may be mixed with brownish material. The excrement adheres to the vent.

This disease is very contagious to little chicks. Treatment: Disinfect the coop and runs. Conkey's Diatex Tablets should be kept in the drinking water. Keep the chicks warm and dry. Price 30c and 60c postpaid.

LICE

Conkey's Lice Powder is very effective. It contains sodium Fluoride. Dust the hen, growing chicks and nest. Price 15c. Sent Express Collect.

CONKEY'S YO

Contains Cod Liver Oil, Yeast, Red Iron Oxide, Soy Bean Meal and Wheat Middlings. Y. O. supplies Vitamins A and D. The Conkey Process incorporates the Cod Liver Oil in such a manner so that the potency of the Cod Liver Oil is preserved for some time.

It comes in a dry granular form and is ready to mix in a dry mash. The Y. O. is used as an aid in overcoming tickets, commonly called Leg Weakness and has special value considering the present extreme methods employed to increase egg production. Prices: 1 lb., 50c; 2 lbs., \$1.10; 5 lbs., \$2.25 postpaid.



More Milk
from the Cows you
have with Kow Kare
and Bag Balm

give the monthly yield of milk. Testing the butter fat of the milk for three days and striking an average will give the quality figures.

quarts of 3¼% milk (or better test) Generally the cows to be considered profitable should produce at least 2900 yearly without being forced to a harmful degree. If a cow falls below this yield she should be viewed with suspicion—but not immediately condemned.

Many cows capable of large milk yields and apparently in good health are poor milkers for protracted periods, merely because some part of their milk-producing mechanism has been overworked. Such cows need treatment. Kow-Kare, every year, makes thousands of cows real profitable producers and pleasing surprises for their owners.



Kow-Kare also aids considerably in treating colds, anaemia, diarrhea or scours, gorging, milk fever and bloating. Prices: 1¼ lb. size, 65c each; 2½ lb. size, \$1.25 each; 6 cans for \$6.75, post paid.

BAG BALM

This popular healing ointment makes thousands of new friends every year. For caked Bag or garget that frequently follow calving, for swollen quarters, for sore teats, chapping cuts, scratches, cracked teats, etc., there is no better remedy.

Bag Balm is clean and pleasant to use and will NOT taint the milk. Large 10-ounce package costs only 60c, post paid.

In almost every dairy certain cows pay and certain others are "boarders." No business can succeed with losses that offset the profits. Therefore, the first aim is to see that no cows are permitted to be an offset on profits. Every farmer can simply and easily keep a sufficient record to prevent cows from being boarders at a loss. Taking a weight record of the yield for three certain days each month, multiplying by 10 will

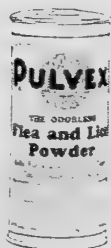
PULVEX

FLEA AND LICE POWDER FOR
DOGS, CATS AND CANARIES

Pulvex not only kills the fleas but keeps them off. Because of the pulvex ingredient, it absolutely destroys the fleas and lice where ordinary powders only stun them. Light . . . fluffy . . . odorless, you'll find Pulvex easy and pleasant to use. Simply dust it on and rub it into the animal's hide. Pulvex goes further than ordinary flea powders and it is, therefore, cheaper because you use less of it.

Prices: Pulvex in Puff Gun, 35c; 2 ozs., 50c; 12 ozs., \$1.25 postpaid.

Your
Pets



made of choice olive oil and other pure ingredients, stimulates the animal's skin and gives a beautiful gloss and silkiness to the hair. Price per bar, 50c, postpaid.

Pulvex Dog Soap converts the water in which you wash your dog into a powerful, though non-irritating destroyer of fleas, lice, and mites. It kills these pests as thoroughly as Pulvex, lacking only the power to give your pets immunity from fleas. In addition to thoroughly cleansing your dog and ridding it of pests, Pulvex Dog Soap,

Garden Insects
Killed With

DERRISOL

Safe - - Non-Poisonous - - Effective



DERRISOL is a highly concentrated, non-poisonous, brownish, liquid. It kills both sucking and chewing insects such as the Rose Aphids, Thrips, Red Spiders, Cabbage Worms, etc. This spray material is safe to use on plants—odorless—easy to mix and pleasant to use.

DERRISOL has the endorsement of experiment stations and agricultural colleges. Commercial and home growers find it very practical and inexpensive to use. Mix from one to two teaspoonfuls to one gallon of water, it will go into solution immediately. You will find it very effective on Rose Aphids, Rose Thrips and many other insects.

DERRISOL can be mailed.

Prices: 1 oz., 35c; 8 ozs., \$1.25; 1 lb., \$2.25; 2 lbs., \$3.25.

POSTPAID

INSECTICIDES ~ FUNGICIDES

ANTS DESTROYED



New Method "gets" them at their source — safe, permanent, effective.

The Antrol system is adapted to any size house or garden and quickly destroys all species of sweet eating ants. It is composed of small glass containers and a special formula of syrup. The containers are partially filled with syrup and placed about the outside edges of the house or along "ant" trails in the garden if the infestation occurs there. The ants smell the syrup, eat it and then transmit its mild poison to the queen in the nest. Soon the entire ant colony is destroyed!

The complete system should cover every 15 feet around the outside of the house or "ant" trails in the garden. Prices—Antrol sets containing 4 containers and 1, 4-oz. bottle of syrup, 95c; Antrol extra containers (each), 15c; Antrol syrup, 4-oz. bottle, 35c; pints, 75c; gallons, \$3.00.



Antrol

The National Ant Control
CANNOT BE MAILED

NICONA For Aphis, Scale and Other Insects

NICONA is a combination of the finest type of summer oil and a virulent form of Nicotine. The Nicotine is very effective for all sucking insects, aphis, thrips, etc. The oil acting as an ideal spreader for this purpose. The oil's main purpose, however, is to kill scale insects such as affect orange and other citrus trees, brown scale on apricot trees and ornamental shrubs and hedges.

NICONA is particularly effective for spraying citrus trees as most of these are infected with scale and aphis. The aphis cause the leaves to curl, therefore, we recommend spraying citrus trees with NICONA. It is generally used 2½ tablespoonsful to 1 gallon of water.

PRICES

½ Pint.....	\$.35	1 Quart.....	\$.75
1 Pint.....	.50	1 Gallon.....	1.90

Sent by Express Collect



SEMESAN

Control "Damping Off" and Seed-Borne Diseases of Grain, Field and Forage Crops, Vegetables, Corn, Potatoes and Flowers. Better Flowers and Finer Vegetables Grown from Seeds Disinfected Against Disease with Semesan

SEMESAN. The only chemical that can be applied in either the liquid or convenient dust forms to prevent or control effectively a most diversified variety of parasitic diseases and fungoid growths borne by seeds, bulbs, and seed pieces. Semesan controls diseases such as "Damping-Off," "Brown Patch," and "Crown Gall," and is just as effective for flower and nursery seeds or plants as for disinfecting field, grain, and vegetable seeds. Ask for Vegetable, Flower, Nursery, "Damping-Off," Brown Patch" booklets.



SEMESAN BEL. This is the new instantaneous dip treatment for both white and sweet potatoes that is fast replacing all formerly practised methods of seed potatoes disinfection and is equally useful for controlling diseases of similar roots and tubers of other vegetables and flowers. Ask for Semesan Bel booklet.

SEMESAN JR. This material is easily applied to sweet and field seed corn by the convenient dusting method and disinfects thoroughly against diseases such as the ear, stalk, and root rots, thereby increasing not only the germination but also the final crop yield by 20 to over 40 per cent. Write for Semesan Jr. booklet.



Prices For Du Pont Semesan

2 ozs.	\$.50
1 lb.	2.75
5 lbs.	13.00

Prices for Jr. and Bel

1 lb.	\$ 1.75
5 lbs.	8.00
25 lbs.	31.25

Cannot be mailed.



QUICKLY KILLS GARDEN PESTS

Science Provides New Safe Method that Does the Work Without Fuss

Snails, Cutworms, Slugs, Grasshoppers, Sowbugs, Earwigs, etc., are Exterminated

Snarol is a ready prepared meal that you simply broadcast on the ground, under the vegetation. The pests eat the meal and are quickly destroyed.

Snarol will not deteriorate from rain or sprinkling and also is non-injurious to vegetation when used according to simple directions. Prices—1-lb. package, 35c; 3-lb package, 75c; 15-lb. package, \$2.95; 50-lb. bags, \$8.50.



Snarol

The National Pest Control
Cannot be mailed.



Fungtrogen

FUNGICIDE AND STIMULANT
REG. U.S. PAT. OFF.

For Mildew and Black Spot on Roses

A successful fungicide, highly concentrated, that mixes readily with water and is easy to apply. Harmless to foliage or blossoms. Invisible. The noted Rosenbluth formula combined with the nitrogenous fertilizing product known as Hortogen, that results in increased plant vigor, superb foliage and amazing blooms.

Fungtrogen is a highly scientific and effective preventative of most fungous diseases of the rose and works equally as well on other flowering plants, such as

hollyhocks, snapdragons, geraniums, phlox, sweet peas, carnations, etc. For use outdoors and under glass.

Fungtrogen carries its own spreader, simply mix with water. Makes 60 times its volume—economical.

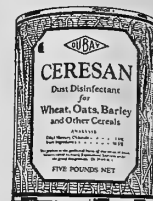
½ pt.	\$0.75
Pt.	1.25
Qt.	2.00
½ gal.	3.50
Gal.	6.00

Postage extra.

CERESAN

Dust treatment for all small grains. Now, only one product is necessary for the seed treatment of wheat, oats, barley, rye or sorghum, CERESAN. Here is an easily applied dust treatment which has proven effective in controlling such seed-borne diseases as bunt or stinking smut of wheat; stripe disease of barley loose and covered smuts of barley and oats and covered kernel smut of sorghum.

This is the only dust treatment which has successfully controlled all of these grain diseases as well as being the first effective dust disinfectant to be offered the farmer for control of barley stripe and smuts. Ceresan does not injure the seed nor the grain drill. Only 2 ounces of Ceresan required per bushel of wheat, rye or sorghum, and 3 ounces for barley and oats. Easy to apply, economical to use. Prices: 8-oz. tin, 50c; 1-lb. tin, 75c; 5-lb. tin, \$3.00 25-lb. pail, \$12.50. Express only.



NU-GREEN FOR LAWNS

A new soil treatment that enables one to have luxuriant lawns, healthful and colorful all season.

This new soil treatment has made these results possible, bringing in the latent beauty of your lawn by performing a double service never before offered in a lawn or soil treatment.

First, Nu-Green offers soil disinfection which protects grasses against destructive Brown-Patch.

Second, it brings to your lawn stimulating nutriment which produces early vigorous growth and insures hardy full development.

Nu-Green is scientifically correct in theory, and strikingly effective in practical use. It is clean to handle and delightfully easy to apply.

Famous Golf Clubs use Nu-Green to keep their costly greens in perfect condition. It is used by simply adding water and then applied by sprinkling can.

Use one pound of Nu-Green to 50 gal. of water or 2½ teaspoonsfuls to 1 gal. of water. In this proportion, 1 lb. of Nu-Green is sufficient for 1000 sq. ft. of lawn.

On new lawns Nu-Green should be used every other week, after a fair growth of grass is developed; using the Nu-Green solution 1 lb. to 50 gal. of water. This will prevent damping off and certain other fungous attacks which frequently ruin new lawns. Prices 3 oz. tin, 50c; 1 lb., \$2.00; 5 lb., \$9.00. CANNOT BE MAILED, shipped by express only.

INSECTICIDES ~ FUNGICIDES

There are many different insects and diseases that trouble flowers, trees and vegetables. If you are not quite sure as to the identity of the pest that you are troubled with, the following is a simple rule that you generally go by.

Sucking insects, such as aphids (the green lice on roses, etc.), thrips, etc., are easily killed with a contact poison, this generally is some form of pyrethrum, Derris, or nicotine. This type of insect lives on the juices of plants and flowers and does not eat the leaves. Good contact sprays are Black Leaf 40, Derrisol, Evergreen, Fish Oil Soap, Lemon Oil and Niconia.

The other class of insects are chewing or leaf eating insects, such as caterpillars, beetles, etc. These eat the leaves and must be killed by a stomach poison, such as Arsenate of Lead.

For the fungus diseases, such as blight, mildew, etc., you can use Corona Bordeaux Mixture, Volck, Fungtrogen, Sulphur, etc. The articles listed below explain insecticides and fungicides, giving amounts to use.

Items marked * can be sent by parcel post at purchaser's expense.

Antrol Ant and Roach Powder—A Pyrethrum and Sodium Fluoride powder. Sprinkle the powder wherever ants and roaches are found. Price, 2½ oz. can 15c. Sent Express.

Antrol System—Consists of 4 small containers and one 4-oz. bottle of Antrol Syrup. This syrup is a mild poison and is greedily eaten by Argentine Ants, the small black fellow that sometimes is a pest in the house. Per set, 85c—*cannot be mailed.*

Black Leaf 40 (or Nicotine Sulphate)—The most popular insecticide for sucking insects, such as aphids, the most common of which is the green plant louse that infests your roses. Use 1 to 2 teaspoonfuls to 1 gal. of water, 1 to 2 oz. to 6 gals. of water. It is best to use a small amount of Volck or Fish Oil Soap for better coverage. 1 oz. bottle, 35c; 5 ozs., \$1.00.—*Cannot be mailed.*

Corona Bordeaux Mixture (Fungi Bordo)—For blight, rust and fungus diseases. For general use—2 ozs. to 1 gal. water, 6 lbs. to 50 gal. water. Per lb., 40c; 5 lbs., \$1.50. *Cannot be mailed.*

Corona Dry Arsenate of Lead—The best known and most extensively used stomach poison for chewing or leaf-eating insects, Caterpillars, etc. It is safe to use on most plants. Generally, used one tablespoonful to one gallon of water, or one pound to 50 gallons of water. Can also be used as dust—1 lb. to 5 lbs. of Hydrated lime, 1 lb., 40c. Commercial Growers, 4 lb. package, 75c. Per case of 48 lbs., 15c per lb.—*Cannot be mailed.*

Corona Coppercarb—Copper Carbonate for treating gummosis commonly affecting peach trees and citrus trees. Use 1 lb. to 1 gal. of water—scrape the gum off the bark and paint thickly with the mixture. Coppercarb is also used for bunt or stinking smut in wheat. It is applied without mixing further directly to the grain. 1 oz. to treat ten lbs. of seed wheat. 1 lb., 30c; 5 lbs., \$1.20. *Cannot be mailed.*

Calispray Garden Dust No. 82—An all around garden dusting material for use against chewing and sucking insects such as Caterpillars, Aphids, etc. It is already to use and consists of 7½% nicotine sulphate, 20% Arsenate of Lead, 20% dehydrated copper sulphate and 52½% releasing carrier. 4 oz. package, 25c; 1 lb. 55c. *Cannot be mailed.* A small duster, the Calispray Puffer is very handy to spray the above. 25c each, postage extra.

Cyanogas (Calcium Cyanide)—For greenhouse fumigation use ¼ oz. for every 1000 cubic feet of space. Also very effectively used for treating gopher and squirrel holes, ants, moles and rats. Per lb., 75c; 5 lbs. \$2.50. *Cannot be mailed.*

***Derrisol**—A concentrated non-poisonous liquid containing 5% Derris extract and other chemicals combined in such a way as to make an efficient contact insecticide. Derrisol is effective against aphids, thrips, red spider, etc. Use 1 to 2 teaspoonfuls to 1 gal. of water. Price; 1 oz., 35c; 8 ozs., \$1.25, postpaid.

Dry Lime Sulphur—A powdered form of Lime Sulphur. Use ½ to 2 level teaspoonfuls to 1 gal. of water; 1 lb. to 5 gals. of water. 1 lb., 35c; 5 lbs., \$1.40. *Cannot be mailed.*

Evergreen—A Pyrethrum spray, non-poisonous, used very successfully for aphids, cucumber beetle, squash bugs, etc. Use 1 to 2 teaspoonfuls to 1 gal. of water. Price, 1 oz., 35c; 6 ozs., \$1.00, postpaid.

***Fungtrogen**—A highly concentrated form of the famous Rosenbluth formula, which has been used with phenomenal success in the nationally known rose garden at Wallingford, Pa. It is an effective and scientific preventive for mildew, black spot and certain other fungus diseases of roses. Use 1 tablespoonful to 1 qt. of water, 2 ozs. to 1 gal. of water. ½ pt., 75c; 1 pt., \$1.25; 1 qt., \$2.00. 1 gal., \$6.00. Postage extra.

Flit—A Household Insecticide, destroys flies, mosquitoes, moths, bed bugs, roaches, etc. Close doors and windows and spray freely about the room. Flit Spray penetrates cracks and crevices, destroying the insects, their eggs and larva. 1 pt., 75c; 1 qt. \$1.25; 1 gal., \$4.00. *Cannot be mailed.*

***Fish Oil Soap**—An excellent spreader for Blackleaf 40 or Arsenate of Lead. Use 3 ozs. to 1 gal. of water. 1 lb. bar, 25c; 5 lbs., \$1.00. Postage extra.

Gopher Firecrackers—Very effective against Gophers and Ground Squirrels. Light the fuse and put down in the hole. It throws off a poisonous gas. Each 5c; per doz., 50c. *Cannot be mailed.*

Gopherscent—Poisoned raisins and grani. A particularly effective poisoned food for gophers. 8 oz. package, 35c; 12 oz package, 50c. *Cannot be mailed.*

Lime Sulphur Solution—A reliable dormant spray for most deciduous trees. Convenient to use, requires no preparation other than stirring into water. Very effective for San Jose Scale. For peach leaf curl, spray just as the buds begin to burst. 1 pt. to 5 qts. of water, 1 gal. to 10 gals. of water. 1 pt., 25c; 1 qt., 40c; 1 gal. \$1.00. *Cannot be mailed.*

***Lemon Oil**—A standard insecticide used by the most prominent Florists and Seedsmen against Scale, Mealy Bug, Rust, Aphids, Caterpillars, etc., on Palms, Rose Bushes, Ferns, etc. We recommend it for use in the home, on ferns and other household plants, as it leaves no disagreeable odor and is not dangerous to use. Use 1 tablespoonful to 1 pt. of water. ½ pt. to 4 qts. of water. ½ pt., 45c; 1 pt., 70c; 1 qt., \$1.20 and 1 gal., \$3.25. Postage extra.

Niconia—A nicotine and oil spray, effective against aphids, thrips, red spider, scale, mealy bug and mildew. Generally use 2½ tablespoonfuls to 1 gal. water. Prices, ½ pt., 45c; 1 pt., 60c; 1 qt., 90c; 1 gal., \$2.35. *Cannot be mailed.*

Poisoned Barley—Used extensively for poisoning Ground Squirrels. 1 lb., 40c; 5 lbs., \$1.40; 25 lbs., \$5.50. *Cannot be mailed.*

Pulvex—The non-poisonous Fea Powder for dogs, cats, and canaries. Actually kills all the fleas. Still is harmless to your children and pets. Simply dust the powder well and rub in thoroughly. Pulvex is used regularly by many of the largest fox breeding farms where fine coats are a necessity. Price, ¾ oz. for canaries, 25c; 2 oz. for dogs and cats, 50c; 12 oz. size \$1.25. Postpaid.

Rosin Spray—A paste material effective against scale, aphids, etc., on citrus trees, rose bushes, etc. Use 1 lb. to 4 gals. of water. 1 lb., 35c; 3½ lbs., 90c. *Cannot be mailed.*

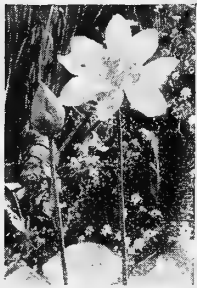
Sow Bug Control—A powder-like material for use in dry spots. Simply spread it along borders of walks, buildings, etc., with an old spoon. For the control of Sow Bug in moist places use Snarol as the effectiveness of this material is increased by water. Price, Sow Bug Control, 1½ lbs. 50c; 5 lb. \$1.60. *Cannot be mailed.*

Snarol—A ready prepared meal that you simply broadcast on the ground under the vegetation. Will not deteriorate from rain and is non-injurious to vegetation. Snails, Slugs, Cutworms, etc., eat the meal and are quickly destroyed. 1½ lbs., 35c; 4 lbs., 75c; 15 lbs., \$2.95; 50 lbs., \$7.50. *Cannot be mailed.*

***Sulphur**—Anchor Brand Sulphur is best for dusting grape vines, roses, etc., for mildew. 1 lb., 10c; 5 lbs., 35c; 10 lbs., 65c; postage extra.

***Tree Tanglefoot**—A syrupy paste that you put around the tree trunk or other places. No crawling insect can pass a band of tree tanglefoot. One pound covers a strip 4 inches wide and 6 ft. long. Prices: 1 lb., 60c; 5 lbs., \$2.75, postage extra.

***Volck**—One of the most powerful insecticides known. It is effective on practically all insects on ornamental and flowering plants—Red Spider, Aphids, Scale, Mealy Bug, etc. Volck is odorless, colorless and non-poisonous. Generally used 3 level tablespoonfuls to 1 gal. of water. ½ pt., 40c; 1 pt., 55c; 1 qt., 80c; postage extra.



Egyptian Lotus

GERMAIN'S WATER LILIES AND AQUATICS

A selected list of the choicest Hardy and Tropical Water Lilies and aquatic plants for pools and water gardens. We pay the most careful attention to packing and shipping and have received the highest commendation on the size and quality of the roots we send out.

PLANTING. Place two inches of well rotted cow fertilizer on the bottom with three inches of garden soil on top. Dampen and tamp down hard, then spread half an inch of sand over the top. Plant lilies about two feet apart, so that the crown is just above the surface of the dirt.

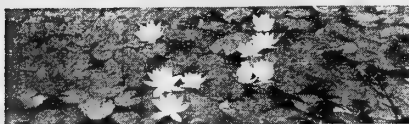
Usually about five lilies will give splendid results in a 9x9-foot pond. Fill very slowly with water, up to the top. The lilies will soon be on top with their new leaves and blossoms. Put in fish and snails. Plant the moss on the bottom in the dirt.



Tropical Lilies

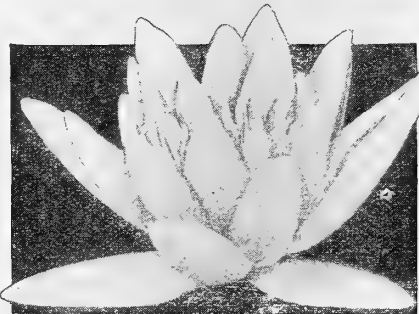
Hardy Water Lilies

ALBA CANDIDISSIMA. A vigorous and desirable variety, early and free bloomer, good size and pure white.....	\$1.25
AURORA. Soft rosy-yellow changing to deep red.....	1.50
Fine for small pools.	
COMANCHE. Flowers of a wonderful combination of orange and amber red.....	3.00
CONQUEROR. Extra large cup-shaped, deep violet-rose shaded with white.....	3.00
ESCARBOUCLE. The flowers are most striking in color, being uniform vermillion red.....	4.50
GLADSTONIANA. Pure dazzling white, cup-shaped and very massive. One of the best for large pool.....	1.25
GLORIOSA. Flowers of perfect form; deep carmine-rose becoming a very dark red late in the season.....	3.50
JAMES BRYDON. Free grower with rosy-crimson flowers 4" to 5" in size.....	2.00
MARLIACEA CARNEA. A splendid companion to Chromatella, color of flowers being a soft flesh pink.....	1.50
MARLIACEA ALBIDA. Large flowers of sparkling whiteness, stamens light yellow.....	1.25
MARLIACEA CHROMATELLA. Vigorous grower, flowers are bright canary yellow, leaves green, blotched brown.....	1.00
MARLIACEA ROSE. Large deep rose color; young leaves purplish red, changing to a deep green.....	1.75
MASANIELLO. The flowers are rose-pink, dotted with carmine; the sepals are white, a very odd contrast.....	2.00
MEXICANA. Flowers fragrant, bright yellow, standing well above the water, desirable for small pools.....	.50
SUNRISE. The flowers are immense, averaging over 10 inches in diameter. Beautiful sulphur yellow with natural grace resembling the tropical lily.....	3.50
PAUL HARIOT. Flowers of large size, clear canary yellow, shading to pink at the base.....	2.00
PYGMAEA HELVOLA. A miniature yellow water lily. A gem for aquariums, tubs, shallow pools.....	.75
ROBINSONIA. Floating flowers of yellow overlaid with purplish-red, the general effect being dark orange-red.....	1.75
ROSE-AREY. The flowers, a deep-cerise pink, sometimes reach 8 inches in diameter. One of the best of the Odorata type.....	2.00
SIoux. A splendid lily, a rich coppery yellow; shading to amber red.....	2.25
SOMPTUOSA. Very large outside petals rosy-pink gradually deepening toward the center to nearly crimson.....	2.00
WM. DOOGUE. A magnificent lily. Flowers of a beautiful shell-pink color.....	1.50
PANAMA-PACIFIC. The buds, as they come out of the water, are bronzy green. When fully opened, color is reddish purple and stamens are yellow.....	3.00



American and Egyptian Lotus or Nelumbium

AMERICAN LOTUS (Nelumbium Lutea). (Yellow.) Sometimes called the Water Chingquapin. The rich yellow flowers frequently attain a diameter of 8 to 10 inches. Tubers.....	2.00
EGYPTIAN LOTUS (Nelubium Speciosum). (Pink.) An excellent variety, very hardy and free growing. The blossoms are a very attractive rose color and possess a haunting fragrance. Tubers.....	2.50



Hardy Water Lily

GERMAIN'S MONEY SAVING AQUATIC COLLECTIONS

Save Your Money—Buy Our Special Collections at Collection Prices!

COLLECTION A (Lilies and Aquatics)

1 CONQUEROR—Red and White.....	\$3.00
1 MARLIAC CHROMATELLA—Yellow.....	1.00
2 WATER POPPIES—Yellow.....	.25
1 Bunch of PARROT FEATHER.....	.15
3 WATER HYACINTHS—Orchid.....	.35
1 ARROWHEAD GIANT.....	.25
Complete.....	\$4.50

COLLECTION B (Hardy Lillies)

1 PAUL HARIOT—Orange.....	\$2.00
1 ALBA CANDIDISSIMA—White.....	1.25
1 MARLIAC CHROMATELLA—Yellow.....	1.00
1 MARLIAC CARNEA—Flesh Pink.....	1.25
Complete.....	\$4.75

COLLECTION C (Hardy and Tropical Lilies)

1 MRS. C. W. WARD—Rose.....	\$1.50
1 DAUBENIANA—Light blue.....	1.25
1 MEXICANA—Yellow.....	.50
1 COMANCHE—Orange.....	3.00
Complete.....	\$5.00

COLLECTION D (For Miniature Water Garden)

1 PYGMAEA HELVOLA—Yellow.....	\$0.75
1 AURORA—Orange.....	1.50
2 HYACINTH—Orchid.....	.25
1 Bunch of PARROT FEATHER.....	.15
Complete.....	\$2.00

Tropical Water Lilies

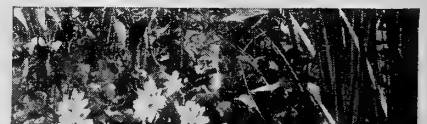
DAUBENIANA. Remarkable in that young plants spring from the upper surface of the leaves and become separate individual plants. The color of the flowers is a very light blue, delicately scented and attaining a good size.....	1.25
INDEPENDENCE (Mrs. Sawyer). Deep pink, full-petaled flower that opens earlier and closes later than any other day bloomers.....	3.00
MRS. C. W. WARD. A most charming variety with petals of rich rose-pink illumined by a mass of golden stamens. Flowers are borne well out of the water.....	1.50
PENNSYLVANIA. A most beautiful water lily of great merit; the flowers are large in size and of a rich azure blue. One of the best.....	4.00
ZANZIBARENSIS AZUREA. Similar to the above but flowers opening wider and of a clear azure blue color.....	1.75
ZANZIBARENSIS PURPUREA. One of the best of the day blooming varieties. Rich dark blue flowers produced on long stems. A free and continuous bloomer.....	2.00
ZANZIBARENSIS ROSEA. One of the very best of the day blooming varieties. Deep rosy-pink flowers produced on long stems, standing well out of the water.....	1.50
ZANZIBARENSIS RUBRA. A splendid variety bearing flowers of a very bright rosy-crimson, an extremely free bloomer.....	2.00

Submerged Plants (For Fish Bowls and Aquariums)

ANACHARIS (Fish Moss). 5 strands.....	.15
COON TAIL (Ceratophyllum). 5 strands.....	.15
SAGITTARIA (Broadleaf). Each.....	.25
VALLISNERIA SPIRALIS (Eel Grass). Long ribbon-like leaves, each.....	.10
Above Collection Complete.....	55c

Shallow Water Plants

ARROWHEAD GIANT (Sagittaria sagitifolia). Distinctive leaves standing 1 to 3 feet above water. Flowers white. Hardy, each.....	.25
CAT-TAIL (Typha latifolia). One of the favorite native swamp plants. Hardy, each.....	.25
EICHORNIA CRASSIPES MAJOR (Water Hyacinth). Flowers delicate lilac rose in trusses like a Hyacinth, each.....	.15
IRIS PSEUDACORUS (Yellow Flag). Yellow flowers of the Japan Iris type. Hardy, each.....	.35
LUDWIGIA MULERTTI. One of the prettiest of the submerged plants. For bunch of 5 strands.....	.25
PARROT FEATHER (Myriophyllum proserpinacoides). Quite successful in a tub or water-tight hanging basket. Hardy, for bunch of 5 strands.....	.15
PICKEREL RUSH (Pontederia cordata). Blue flowers produced freely. Total growth about 2 feet. Hardy, each.....	.35
WATER POPPY (Hydrocleis nymphoides). The leaves float. Flowers are large and yellow, similar to the Cal. poppy, each.....	.15



FROM

R

Please leave this space blank

AMOUNT ENCLOSED

Money Order \$.....

Check

Cash

Stamps**TOTAL \$.....**

GERMAIN'S
SIXTH AND MAIN + LOS ANGELES

SIXTH AND MAIN + LOS ANGELES

GERMAIN SEED & PLANT CO.

Los Angeles, California

BE SURE TO FILL IN THESE BLANKS

Name _____

Street _____

Post Office

P. O. Box _____ R. F. D. No. _____

R. F. D. No.

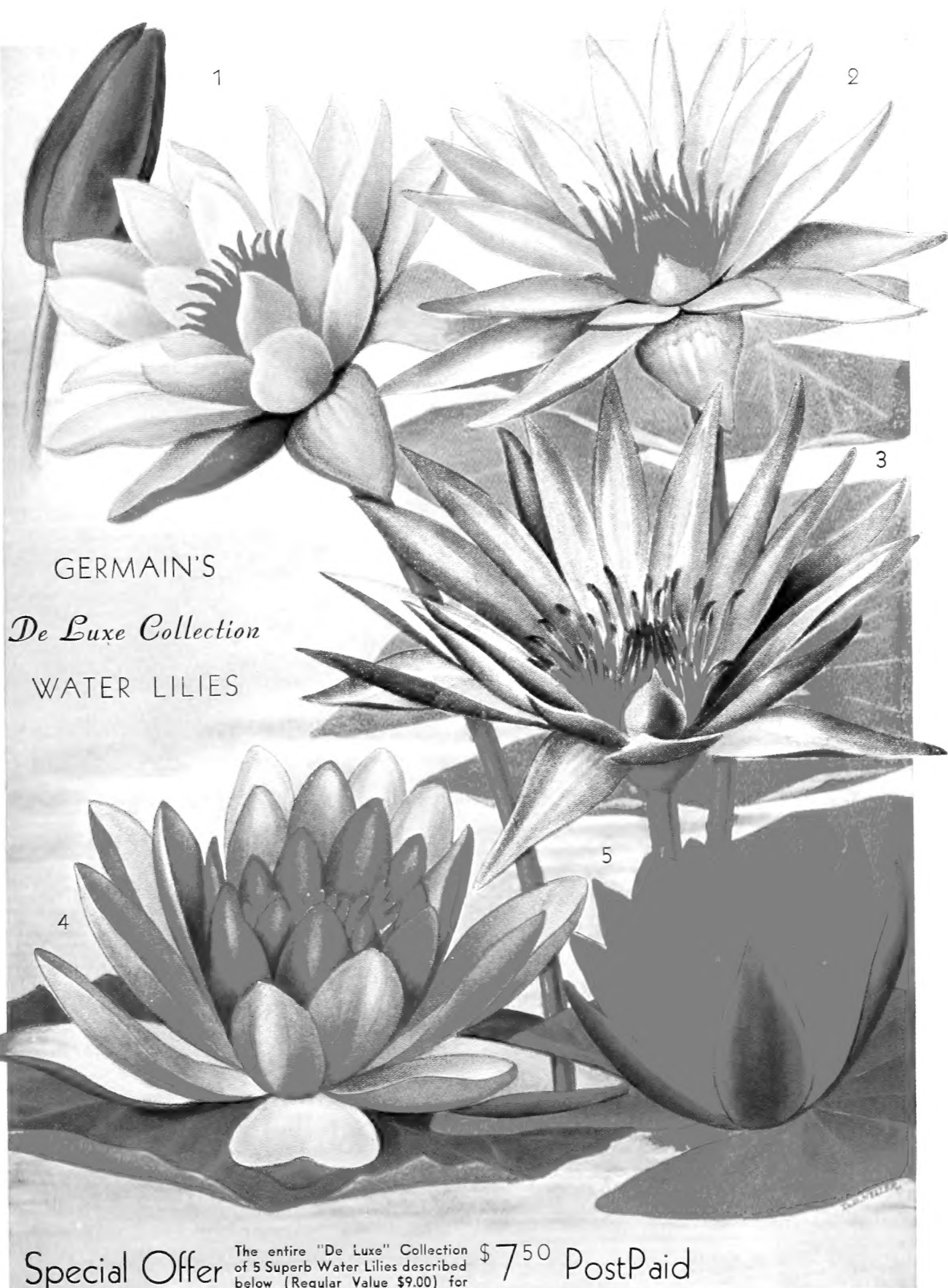
County _____ **State** _____

**Express or
Freight Office**

Check how Goods are to be sent?	Mail	Express	Freight	Date
----------------------------------------	-------------	----------------	----------------	-------------

NON-WARRANTY—The Germain Seed and Plant Company gives no warranty, express or implied, as to description, quality, productiveness, or any other matter of seeds, bulbs, plants or trees they send out, and they will not be responsible in any way for the crop.

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GERMAIN'S

De Luxe Collection

WATER LILIES

Special Offer

The entire "De Luxe" Collection of 5 Superb Water Lilies described below (Regular Value \$9.00) for

\$7⁵⁰ PostPaid

1. **WM. DOOGUE**—Magnificent in every way, color a delicate, lovely shell pink \$1.50 each; \$1.65 postpaid.
2. **ZANZIBAR ROSE**—Extremely free blooming. Superb deep rose in color. \$1.50 each; \$1.65 postpaid.
3. **ZANZIBAR BLUE**—Large rich blue flowers on long stems; continuous bloomer. One of the best. \$2.00 each; \$2.15 postpaid.

4. **CONQUEROR**—Extra fine cup-shaped flowers in a rich claret red. \$3.00 each; \$3.15 postpaid.
5. **CHROMATELLA**—The brightest canary yellow, with large flowers and handsome bronzed leaves. \$1.00 each; \$1.15 postpaid.



GERMAIN'S EXHIBITION IRIS COLLECTION

Eight Superb Modern varieties rich in shades of bronze, rose and yellow.

Dream (upper left) Lilac Pink, deeper falls,
Orange beard, flower frilled...25c each
Virginia Moore (lower left) Bright Yellow
with Golden Yellow falls.....25c each
Arnolds (upper center) Bronze and Wine
Purple25c each

Rhein Nixe (middle center) standards White
and falls Plum Violet with Yellow
Beard25c each

Conquistador (lower center) Light Blue and
Mauve35c each

Lent A. Williamson (upper right) Lavender
and Pansy Violet.....25c each
Knysna (center right) Yellow and Red
Brown35c each
Nancy Orne (lower right) Fawn Pink and
Rose Purple.....25c each

Entire "Exhibition Iris" Collection \$1.75 Postpaid.

GERMAIN'S THREE BEST ROSES

If we were asked to choose the three roses that stand out this year as the THREE BEST ROSES or if we were limited to three roses in our garden we would unhesitatingly choose this gorgeous triad. It is inconceivable to us that these could be matched when one considers the various points that must be considered when judging roses. For beauty of form and color, for profusion of bloom and ever-blooming properties, for vigor of stock and rapidity of growth we feel no hesitation in calling them "THE THREE BEST ROSES."

OLYMPIAD. Nothing we could say would be more effective than the description given by Helen W. King, Garden Editor of the Los Angeles Times. Read what she says:—

"When I say this is a red rose it doesn't sound so unusual, but it is, for the red is a shade utterly unlike any other of the shades in that class of roses. It has a catalogue description which I will quote: 'The color is a lustrous dark oriental scarlet, its depth and warmth accentuated by a bright golden base. This richness is further intensified by a marvelous velvety sheen that renders the flower exceedingly effective, especially in artificial light, scarlet with a glow of flame-like brilliancy.' Experts have tried and failed to

describe this rose's remarkable color effect and freely admit their inadequacies. It may be trusted to speak for itself, for in any group of roses, however superb, it could not be overlooked but would, instead, inevitably focus all eyes on its loveliness.

"The color of Olympiad is so extraordinary that this point is instinctively stressed, but it by no means constitutes the rose's sole claim to distinction. It has wonderful form, with long, pointed buds, opening to broad petals, numerous enough to make a handsome flower but not in sufficient numbers to give it the least suggestion of coarseness. It has fine foliage, long stems, vigor of growth; it blooms freely and is a good keeper."—\$2.00 each.

TALISMAN. The Rose of Many Gold Medals. It is the most remarkable piece of coloring that we know in any rose; a combination of shadings of gold, apricot, yellow and deep pink or old-rose. The outside of the petals is bright yellow, gold, and pink; as the flower develops and the petals unfold they become bright

apricot, gold, deep rose-pink or old-rose. The bud is long, perfectly formed, averaging about 25 to 28 petals, the plant is a strong, vigorous grower with glossy green foliage and free flowering.—85c each.

DAME EDITH HELEN. Pure, glowing rose-pink, soft yet brilliant, with no other shade. A magnificent variety that stands out alone in almost any company. Buds are perfect and flowers represent one of the highest standards thus far attained in exhibition blooms, being of impressive size, quite full, and produced singly on well-foliaged, strong canes. As they expand from grand long-pointed buds the substantial broad petals curl back prettily. Charming in every stage of development. Strongly sweet-scented, lasting, and fine cut subjects individually or massed. A practically-faultless rose.—65c each.



TALISMAN



OLYMPIAD



DAME EDITH HELEN

COLLECTION OFFER: GERMAIN'S THREE BEST ROSES

We will supply one strong plant each of the Three Best Roses for.....Postpaid \$3.25.....**\$2.95**

GERMAIN'S
SIXTH AND MAIN • LOS ANGELES

Six Modern and Magnificent Roses

A collection of roses that is comprised of some of the finest introductions of late years. Every rose included fills a needed want in the rose garden, being a distinct improvement over an older variety or an entirely new type. You will find them of finer color or a new shade, improved form, a greater profusion of blooms, stronger growth, greater fragrance, in all six roses that will greatly enhance the beauty of your rose garden.

Miss Rowena Thom (Upper left) — A California introduction that has received favorable comment from rose lovers everywhere. Buds are very large and long pointed—enormous flowers five to six inches across, fully double and opening perfectly. A color blend of fiery rose and rosy mauve with old gold. **85c each.**

Lord Charlemont (Upper right)—A gorgeous and brilliant dark red rose with blossoms of intense, clear, crimson-scarlet, deepening to carmine crimson with almost black shadings. Perfectly shaped long pointed buds and large double fragrant flowers. **85c each.**

Feu Joseph Looymans (Center left)—Long pointed buds of tangerine yellow with a very vivid apricot center. Greatly admired wherever seen for its unusually striking color. The open flower is of large size with a spicy fragrance. **65c each.**

Louise Catherine Breslau (Center right)—A rose entirely distinct from all others in color. Salmon-red buds opening to large flowers of shrimp pink glowing with coppery orange and chrome yellow shadings. **50c ea.**

President Hoover (Lower left)—A remarkable rose, wonderfully free flowering, and glorious in its color arrangement which is a splendid combination of cerise-pink, flame, scarlet, and yellow—a combination that furnishes the most dazzling color effect imaginable. Beautifully pointed buds, large flowers, composed of broad, heavy petals and exquisitely fragrant. President Hoover is something altogether new in rose color, a typical instance, however, of the color trend of the new introductions. **\$1.25 each.**

Margaret McGredy (Lower right)—Another rose that offers a dis-

tinctly new color in roses. Large brilliantly colored double flowers of an entrancing shade of Oriental red, passing to carmine-rose. A rose that keeps for a long time. Very free-flowering with long, strong stems. **85c each.**

Collection of the Six Modern and Magnificent Roses, \$3.75
Postpaid, \$4.25

